KerrMcGee

Kerr-McGee Oil & Gas OnShore LP
1999 Broadway, Suite 3700, Denver, Colorado 80202
303-296-3600 • Fax 303-296-3601

March 1, 2007

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

RE: State 1021-32J
T10S-R21E
Section 32: NWSE
1802' FSL, 2149' FEL
Uintah County, Utah

Dear Ms. Mason:

Kerr-McGee Oil & Gas Onshore LP, formerly known as Westport Oil and Gas Company, L.P. has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to State Rule 649-3-2 (State Wide). The well location is less than 920' from the proposed State 1021-32O well which may produce from the same pool. Both wells are located within the same lease and the proximity between wells does not interfere with the correlative rights of the royalty and working interest owners. Kerr-McGee owns 100% of the leasehold in the offset lands.

Kerr-McGee requests your approval of this exception location. If you have any questions, call me at 720-264-2618. Thank you for your assistance.

Sincerely,

W. Chris Latimer, CPL
Senior Landman

cc: Raleen White

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-21577	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR:
KERR McGEE OIL & GAS ONSHORE L.P.

9. WELL NAME and NUMBER:
STATE 1021-32J

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1802'FSL, 2149'FEL 621992X 39.901639
AT PROPOSED PRODUCING ZONE: 4417605Y -109.572957

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWSE 32 10S 21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
17.9 MILES SOUTH OF OURAY, UTAH

12. COUNTY:
UINTAH

13. STATE:
UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
1802'	640.00	40.00
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,060	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5313'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	1,800	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,060	1930 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 3/14/2007

(This space for State use only)

API NUMBER ASSIGNED: 43047-39133

Approved by the
Utah Division of
Oil, Gas and Mining

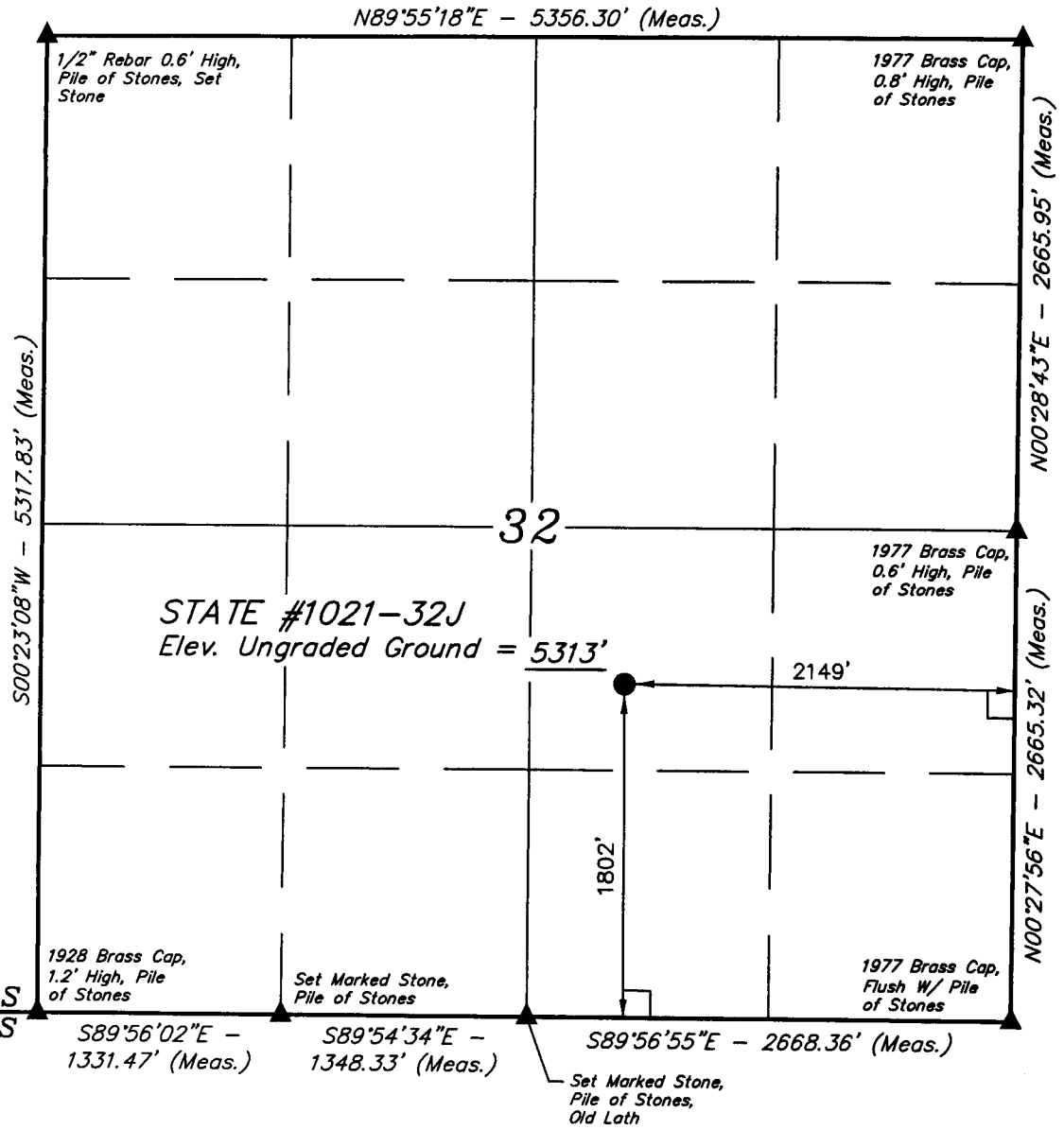
APPROVAL:

Date: 06-25-07
(See Instructions on Reverse Side)
By: [signature]

RECEIVED
MAR 16 2007
DIV. OF OIL, GAS & MINING

(11/2001)

T10S, R21E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°54'05.75" (39.901597)
LONGITUDE = 109°34'25.09" (109.573636)
(NAD 27)
LATITUDE = 39°54'05.87" (39.901631)
LONGITUDE = 109°34'22.61" (109.572947)

Kerr-McGee Oil & Gas Onshore LP

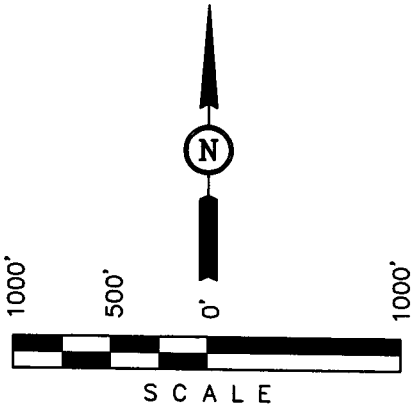
Well location, STATE #1021-32J, located as shown in the NW 1/4 SE 1/4 of Section 32, T10S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-13-06	DATE DRAWN: 12-18-06
PARTY: L.K. J.M. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

STATE 1021-32J
NW/SE SEC. 32, T10S, R21E
UINTAH COUNTY, UTAH
ML-21577

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	916'
Top of Birds Nest Water	1159'
Mahogany	1683'
Wasatch	4077'
Mesaverde	6917'
MVU2	7920'
MVL1	8433'
TD	9060'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	916'
Water	Top of Birds Nest Water	1159'
	Mahogany	1683'
Gas	Wasatch	4077'
Gas	Mesaverde	6917'
Gas	MVU2	7920'
Gas	MVL1	8433'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9060' TD, approximately equals 5617 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3624 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	March 14, 2007	
WELL NAME	**STATE 1021-32J**		TD	9,060' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,313' GL KB 5,328'
SURFACE LOCATION	NW/SE SEC. 32, T10S, R21E 1802'FSL, 2149'FEL			BHL	Straight Hole
	Latitude: 39.901597	Longitude: 109.573636			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS),Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,077'					
	Green River @	**0,916'**			
	Top of Birds Nest Water @	**1159'**			
	Mahogany @	**1,683'**			
	Preset f/ GL @ 1,800' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.				
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
	Wasatch @	**4,077'**			
	Mverde @	**6,917'**			
	MVU2 @	**7,920'**			
	MVL1 @	**8,433'**			
	TD @	**9,060'**			Max anticipated Mud required 11.5 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	1800	32.30	H-40	STC	0.66*******	1.63	4.99
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9060	11.60	I-80	LTC	2.27	1.17	2.19

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3425 psi

********* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,570'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,490'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

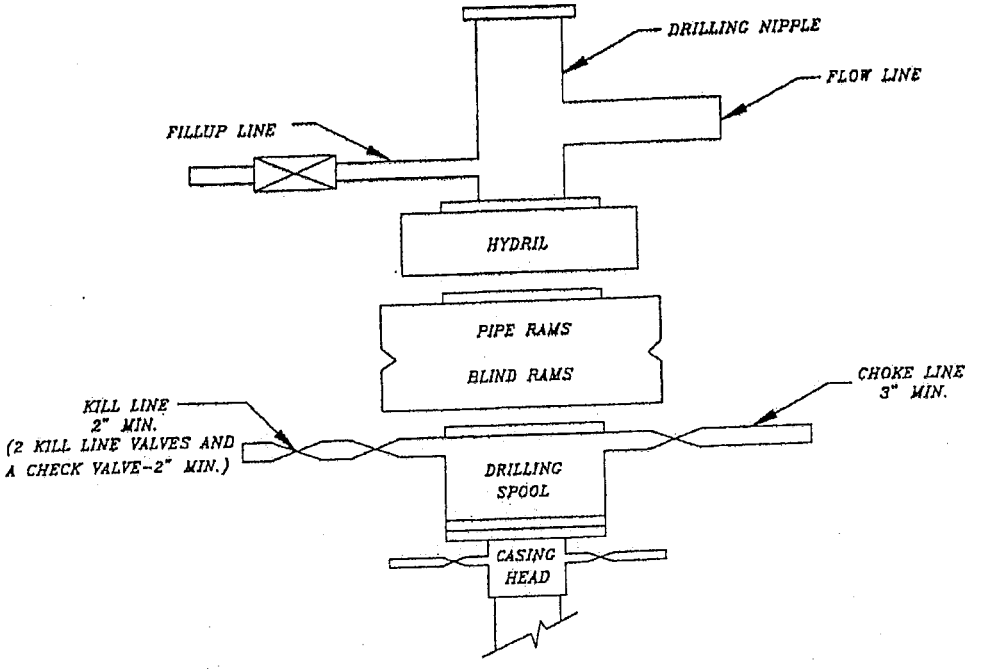
DRILLING ENGINEER: _____ **DATE:** _____

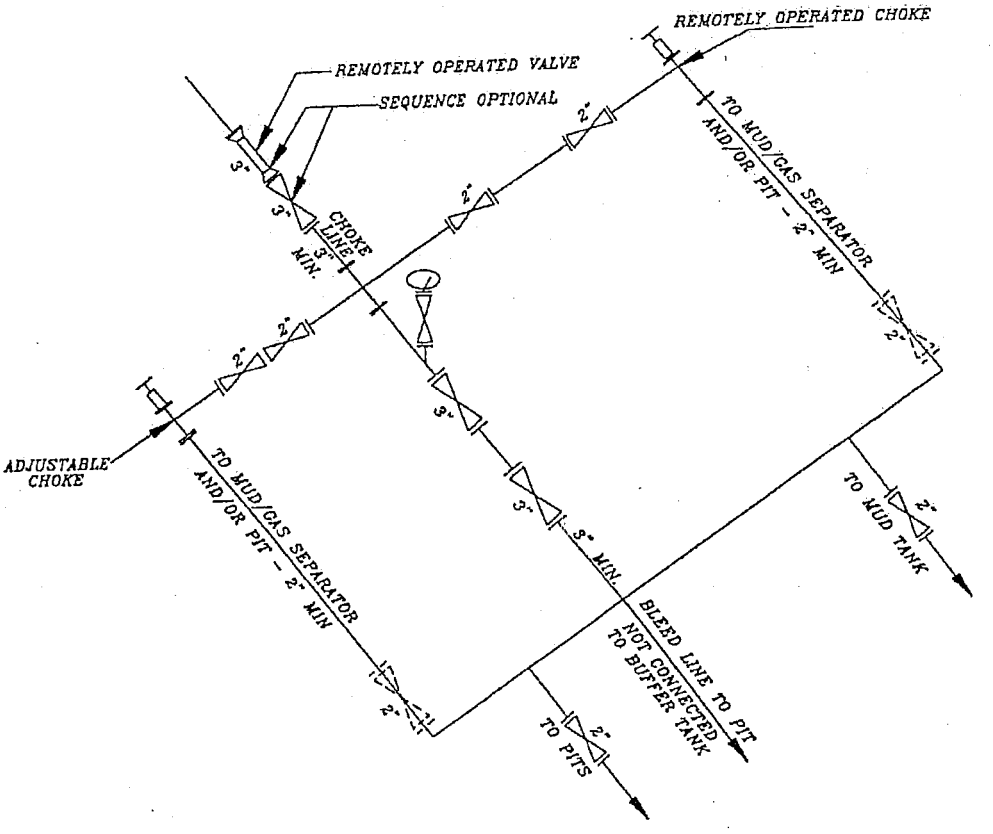
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





STATE 1021-32J
NW/SE SEC. 32, T10S, R21E
Uintah County, UT
ML-21577

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.15 +/- miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 880' +/- of 4" steel pipeline is proposed from the location to an tie-in point. Refer to Topo Map D.

Approximately 833' +/- of 4" steel pipeline is proposed from the location to an tie-in point. Refer to Topo Map D.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment

of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

3/14/2007
Date

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-32N TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED #1021-32N AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-32H TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

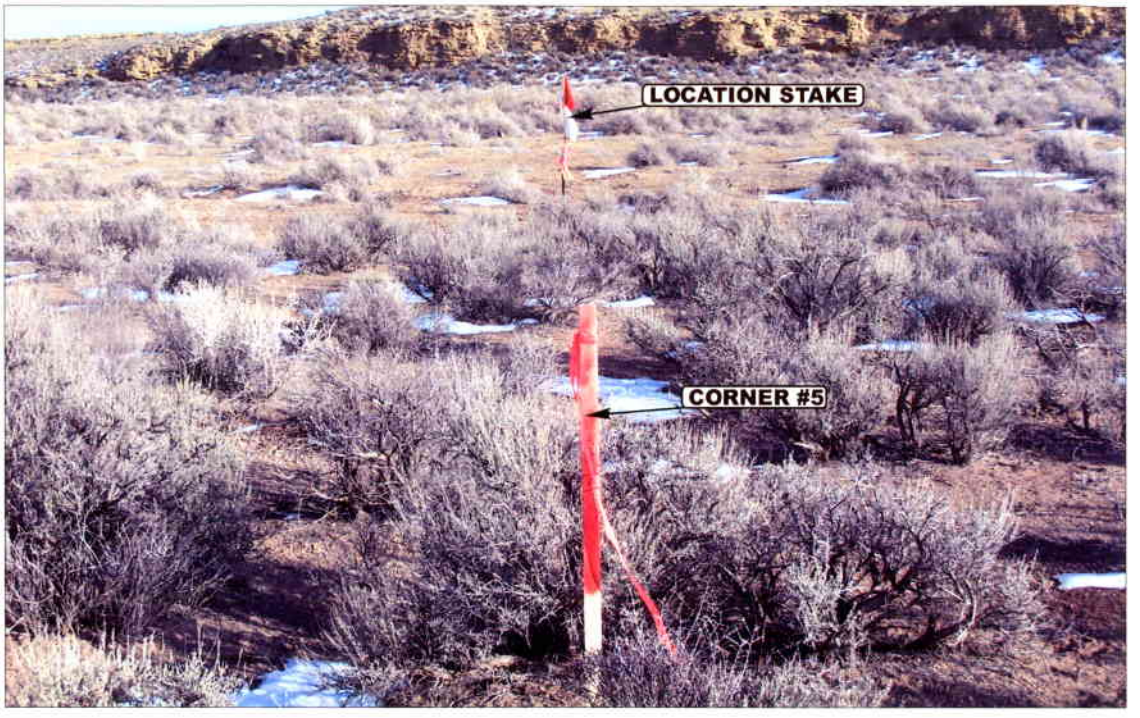


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: EASTERLY**

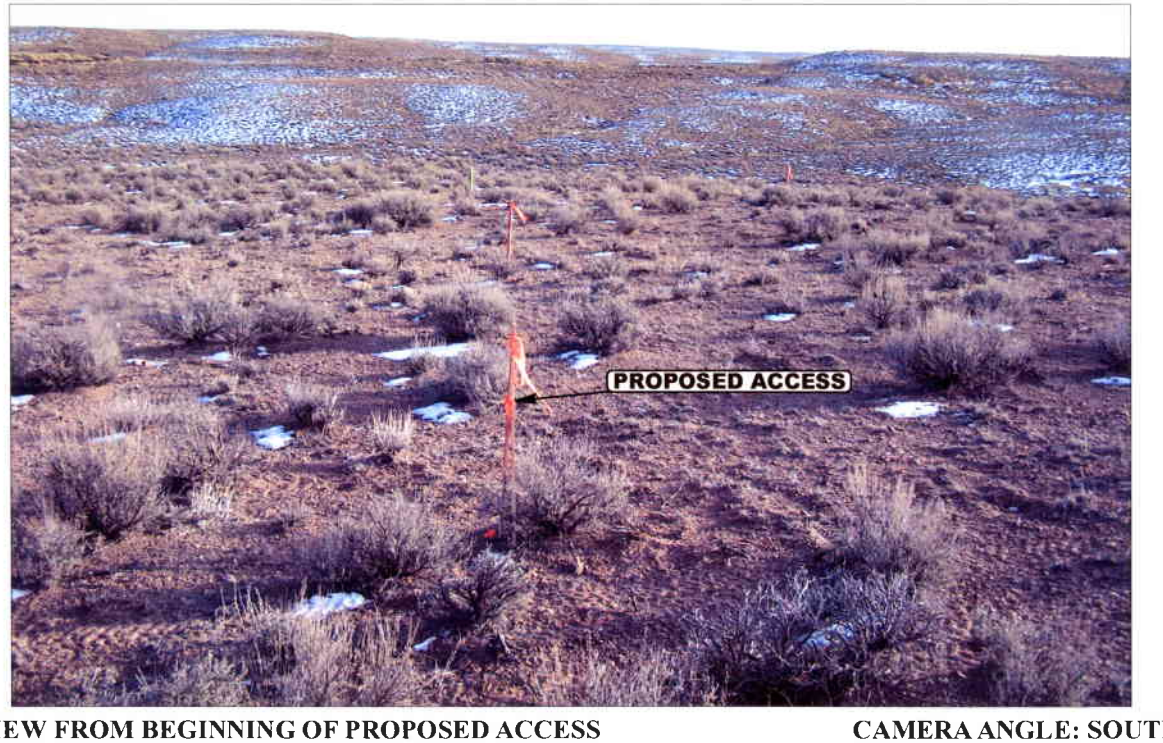
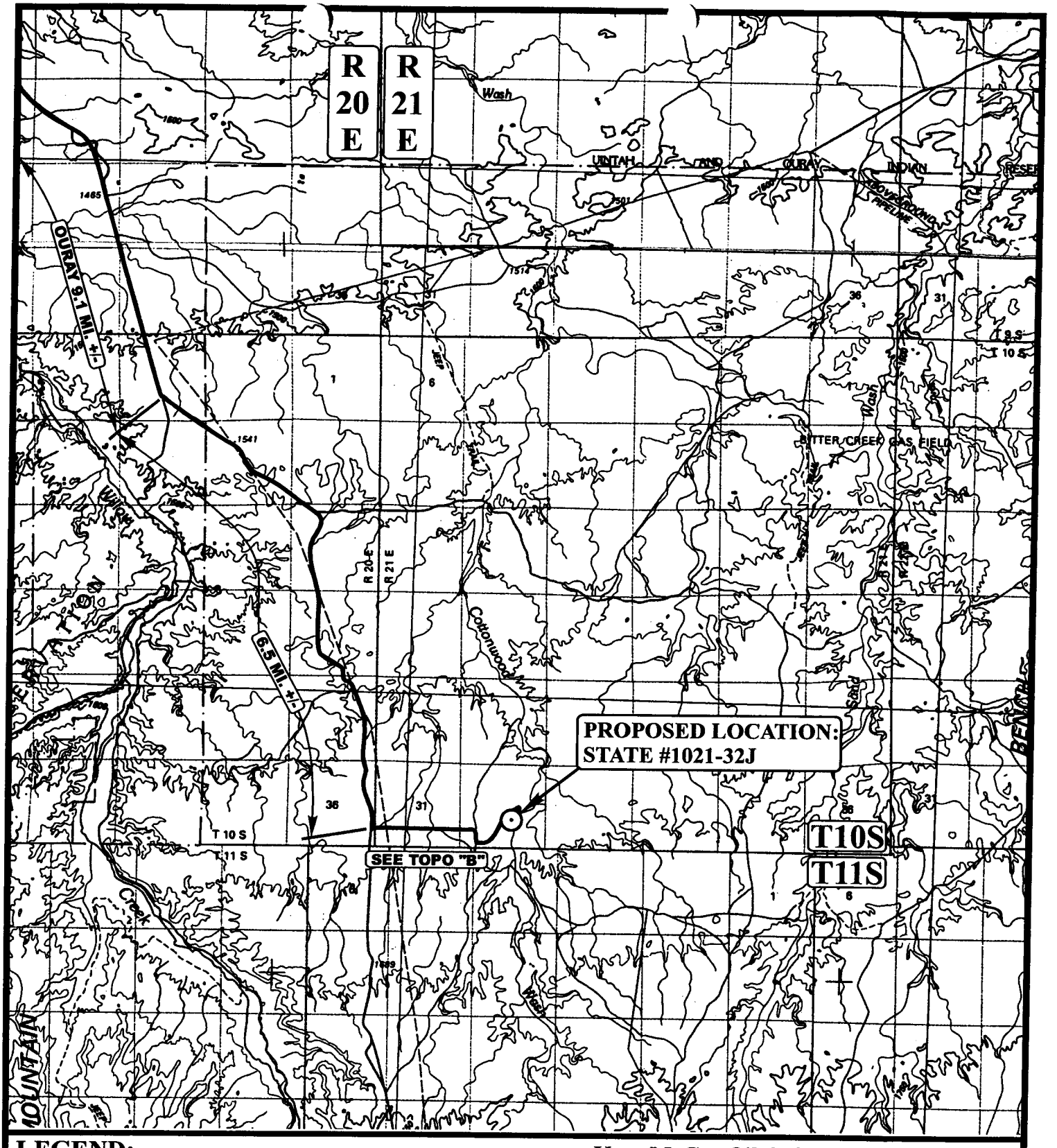


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12 MONTH	15 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

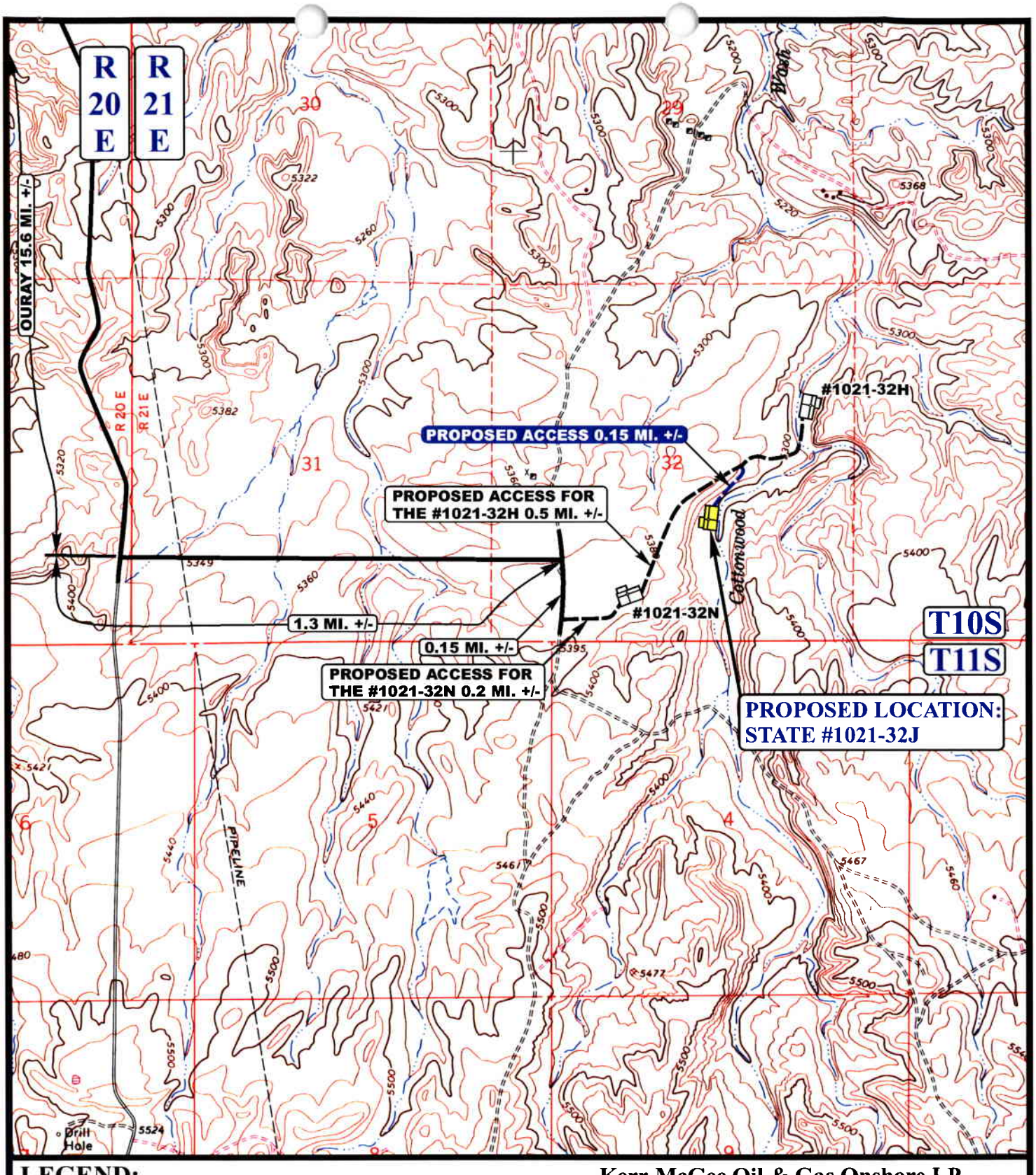
N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	15 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

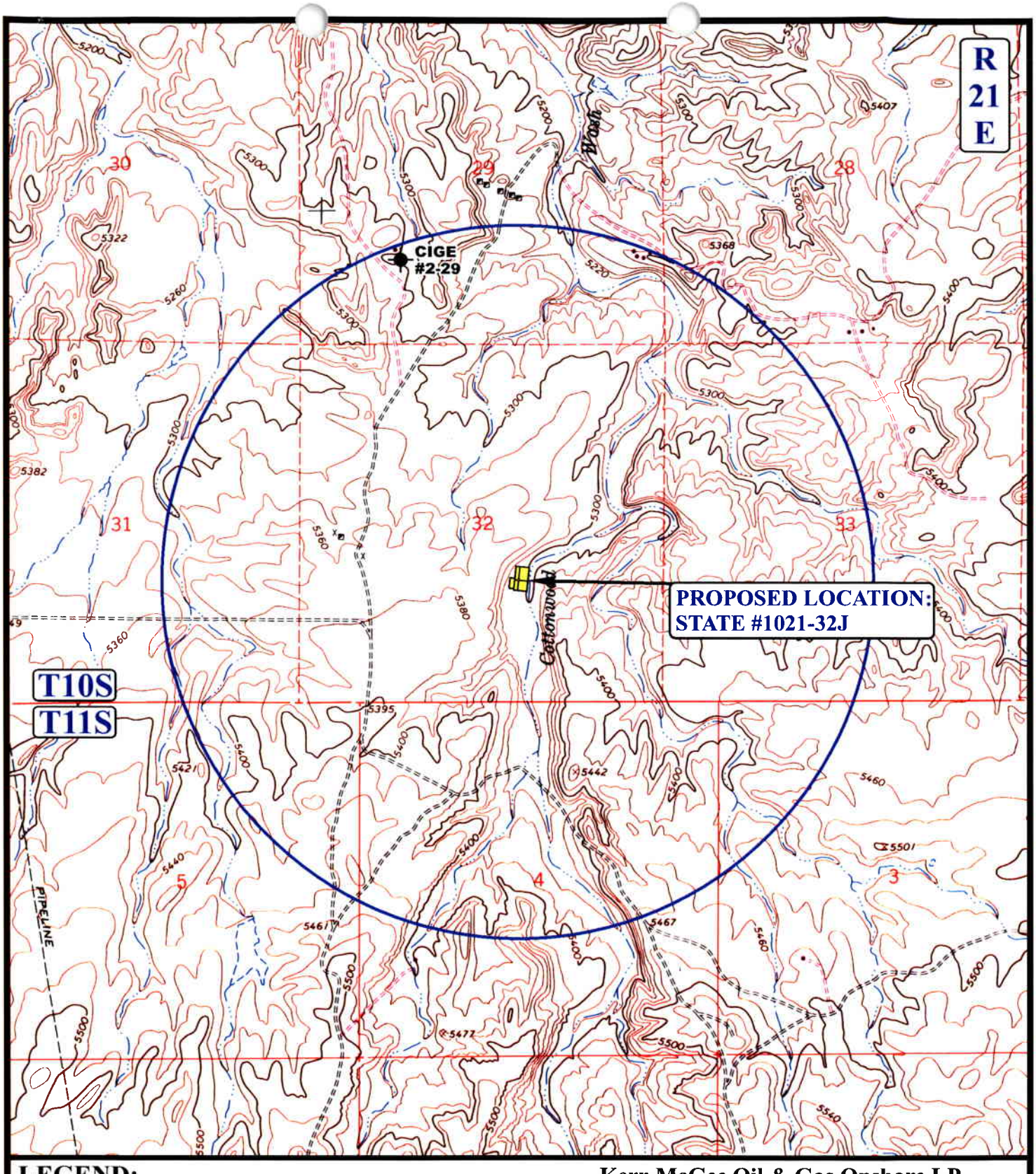
STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 15 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00

B TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

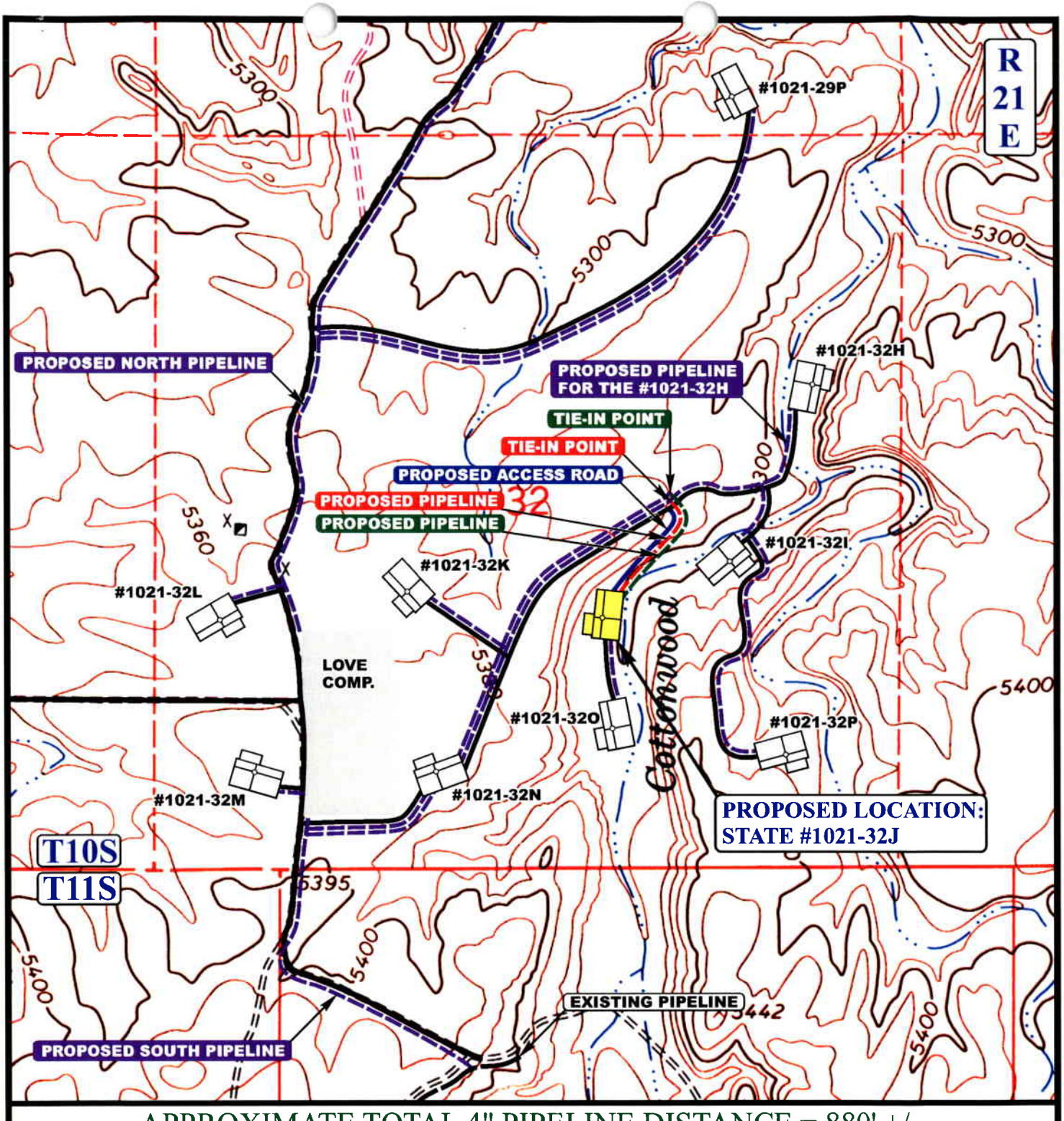
STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 15 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00

C TOPO



APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 880' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 833' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 15 DAY | 06 YEAR | D TOPO

SCALE: 1" = 1000' | DRAWN BY: C.P. | REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: SOUTHERLY**

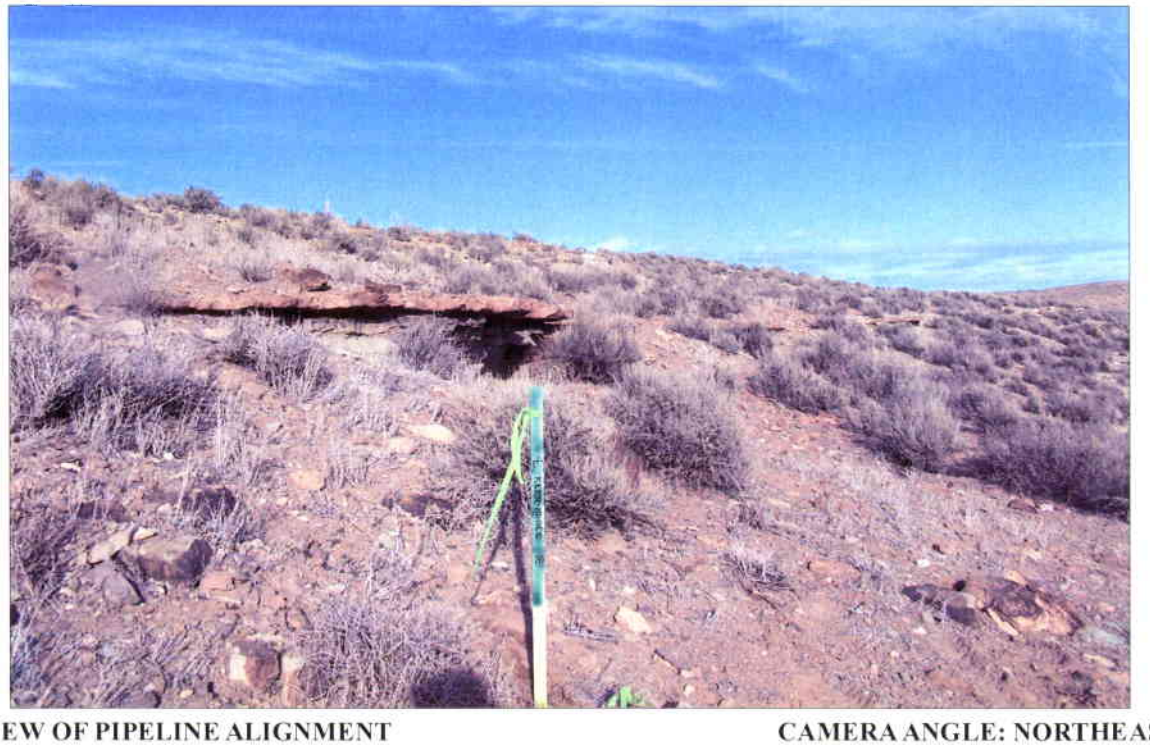


PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

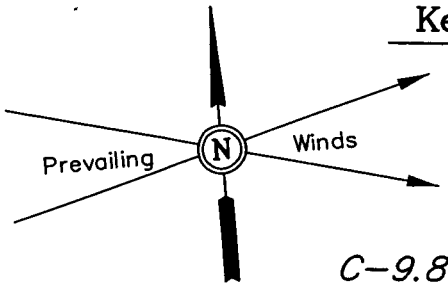
PIPELINE PHOTOS	12 MONTH	15 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL



SCALE: 1" = 50'
DATE: 12-18-06
Drawn By: P.M.

Proposed Access Road
Approx. Toe of Fill Slope
Install CMP as Needed
C-9.8' El. 322.5'
F-2.0' El. 310.7'
Sta. 3+50
Round Corner as Needed
Approx. Top of Cut Slope
CONSTRUCT DIVERSION DITCH
Existing Drainage
Pit Topsoil
Reserve Pit Backfill & Spoils Stockpile
FLARE PIT
C-2.6' El. 315.3'
Blooie Line
PIPE TUBS
CATWALK
PIPE RACKS
C-0.5' El. 313.2'
COTTONWOOD WASH DO NOT DISTURB
RIG
135'
Sta. 1+50
TOILET
F-0.4' El. 312.3'
TRAILER
LIGHT PLANT
BOILER
COMPRESSOR
BOOSTER
WATER TANK
PUMP HOUSE
MUD TANKS
DOG HOUSE
C-2.4' El. 315.1'
El. 319.8'
C-17.1' (btm. pit)
70'
10'
58'
200'
RESERVE PITS (10' Deep)
Total Pit Capacity W/2' of Freeboard = 9,850 Bbls. ±
Total Pit Volume = 2,780 Cu. Yds.
15' WIDE BENCH
SLOPE 1 1/2 : 1
150'
CONSTRUCT DIVERSION DITCH
TRASH
PROPANE STORAGE
C-2.3' El. 315.0'
Sta. 0+25
El. 318.4'
C-15.7' (btm. pit)
15' WIDE BENCH
C-1.6' El. 314.3'
Sta. 0+00
Topsoil Stockpile
Topsoil Stockpile
Reserve Pit Backfill & Spoils Stockpile
C-2.2' El. 314.9'
C-2.5' El. 315.2'
Proposed Access Road for the #1021-320

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5313.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5312.7'

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

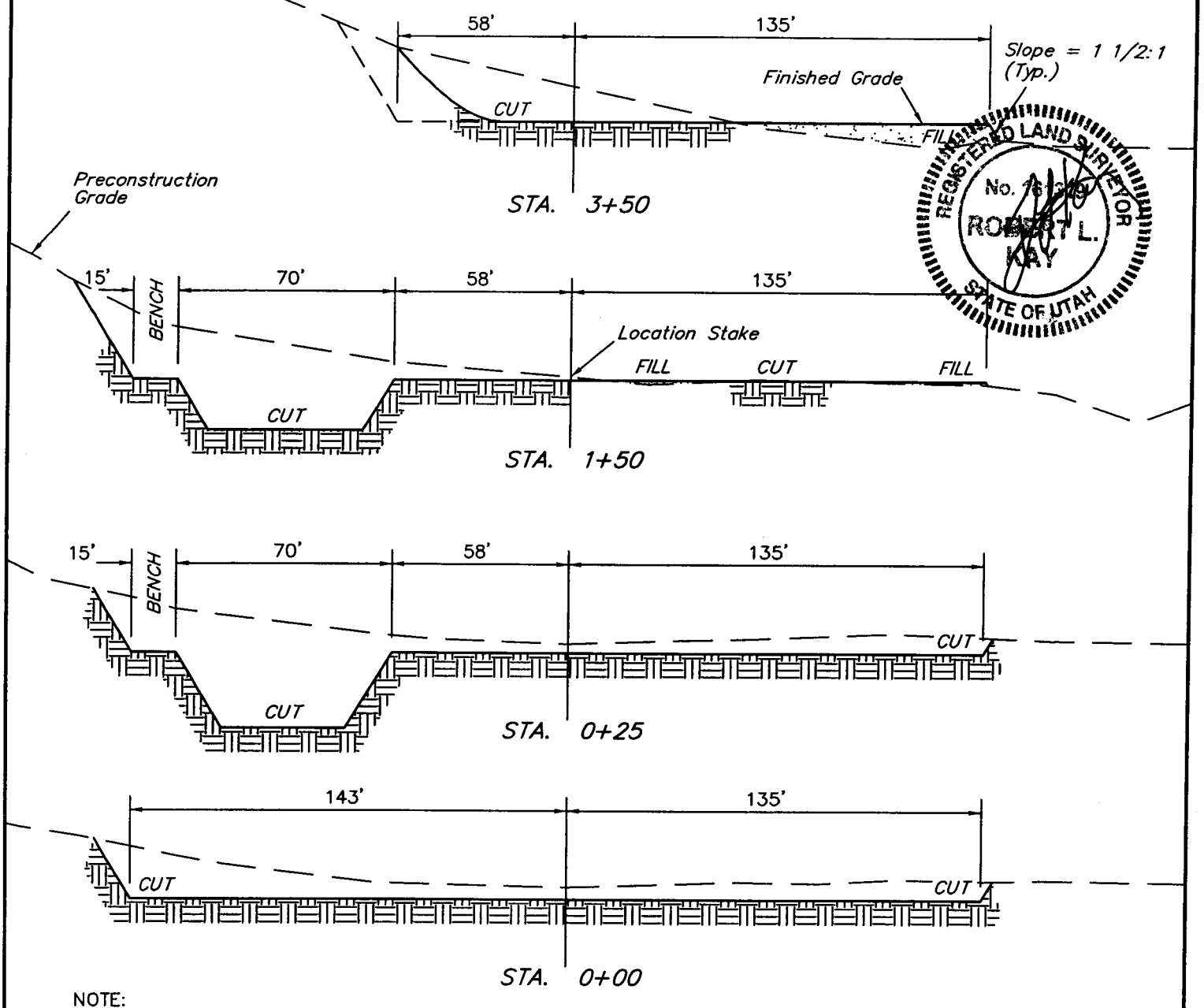
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR
STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 12-18-06
Drawn By: P.M.



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,730 Cu. Yds.
Remaining Location = 7,670 Cu. Yds.

TOTAL CUT = 9,400 CU.YDS.
FILL = 1,590 CU.YDS.

EXCESS MATERIAL = 7,810 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,120 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 4,690 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-047-39133

WELL NAME: STATE 1021-32J

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWSE 32 100S 210E

SURFACE: 1802 FSL 2149 FEL

BOTTOM: 1802 FSL 2149 FEL

COUNTY: UINTAH

LATITUDE: 39.90164 LONGITUDE: -109.5730

UTM SURF EASTINGS: 621992 NORTHINGS: 4417605

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	4/24/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21577

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit:

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

✓ R649-3-3. Exception

___ Drilling Unit

Board Cause No:

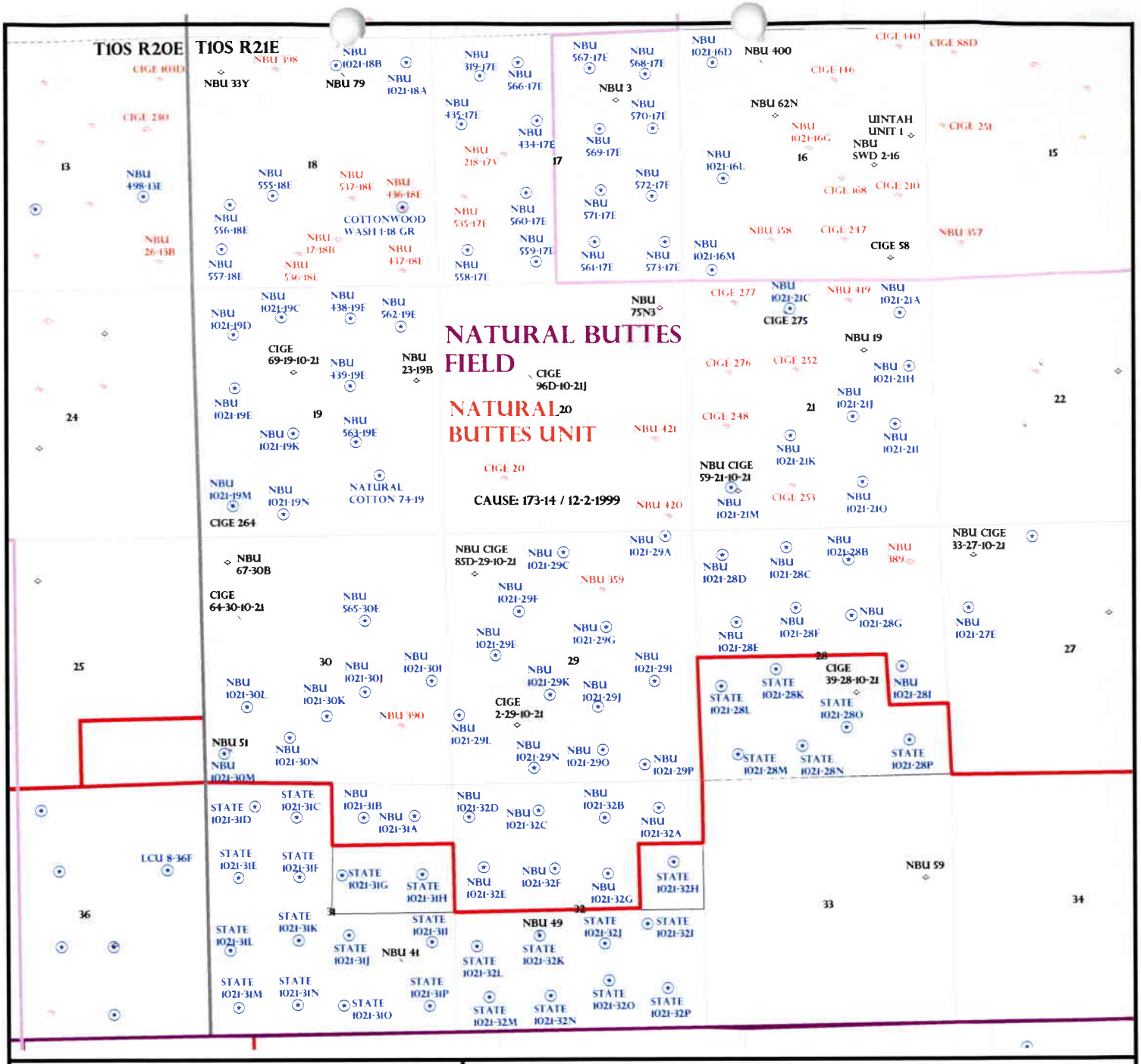
Eff Date:

Siting:

___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (04-04-07)

STIPULATIONS: 1- Spacing Stip
2- Statement of Basis
3- Oil Shale
4- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 28,31,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON

DATE: 23-MARCH-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
333	43-047-39133-00-00		GW	S	No

Operator KERR-MCGEE OIL & GAS ONSHORE, LP **Surface Owner-APD**
Well Name STATE 1021-32J **Unit**
Field UNDESIGNATED **Type of Work**
Location NWSE 32 10S 21E S 1802 FSL 2149 FEL GPS Coord (UTM) 621992E 4417605N

Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill — 4/16/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

This location is approximately 18 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.15 miles of the proposed site. New construction will be required from this point.

The proposed location is on the west side of the flat bottom of Cottonwood Wash. The drainage itself is incised and to the east. The reserve pit buts up against a side hill on the west. Two small drainages begin within the north part of the location. Drainage will be diverted around both the north and south sides beginning above the reserve pit

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett — 4/4/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name STATE 1021-32J
API Number 43-047-39133-0 **APD No** 333 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NWSE **Sec** 32 **Tw** 10S **Rng** 21E 1802 FSL 2149 FEL
GPS Coord (UTM) 621994 4417608 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Keznic, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Ben Williams (UDWR)

Regional/Local Setting & Topography

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

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The proposed location is on the west side of the flat bottom of Cottonwood Wash. The drainage itself is incised and to the east. The reserve pit buts up against a side hill on the west. Two small drainages begin within the north part of the location. Drainage will be diverted around both the north and south sides beginning above the reserve pit

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.15	**Width** 278	**Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Location is out of the historic flood plain.

Flora / Fauna

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

Vegetation is a greasewood type. Scattered greasewood, Russian thistle, sagebrush and spring annuals are present.

Soil Type and Characteristics
Deep sandy loam. No surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required Y
Around both sides of the location.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements
The proposed reserve pit is 70' x 150' x 10' deep located in a cut on the southwest corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.
With the proximity to the bottom of an active drainage, care must be taken to insure the reserve pit is adequately lined and maintained.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

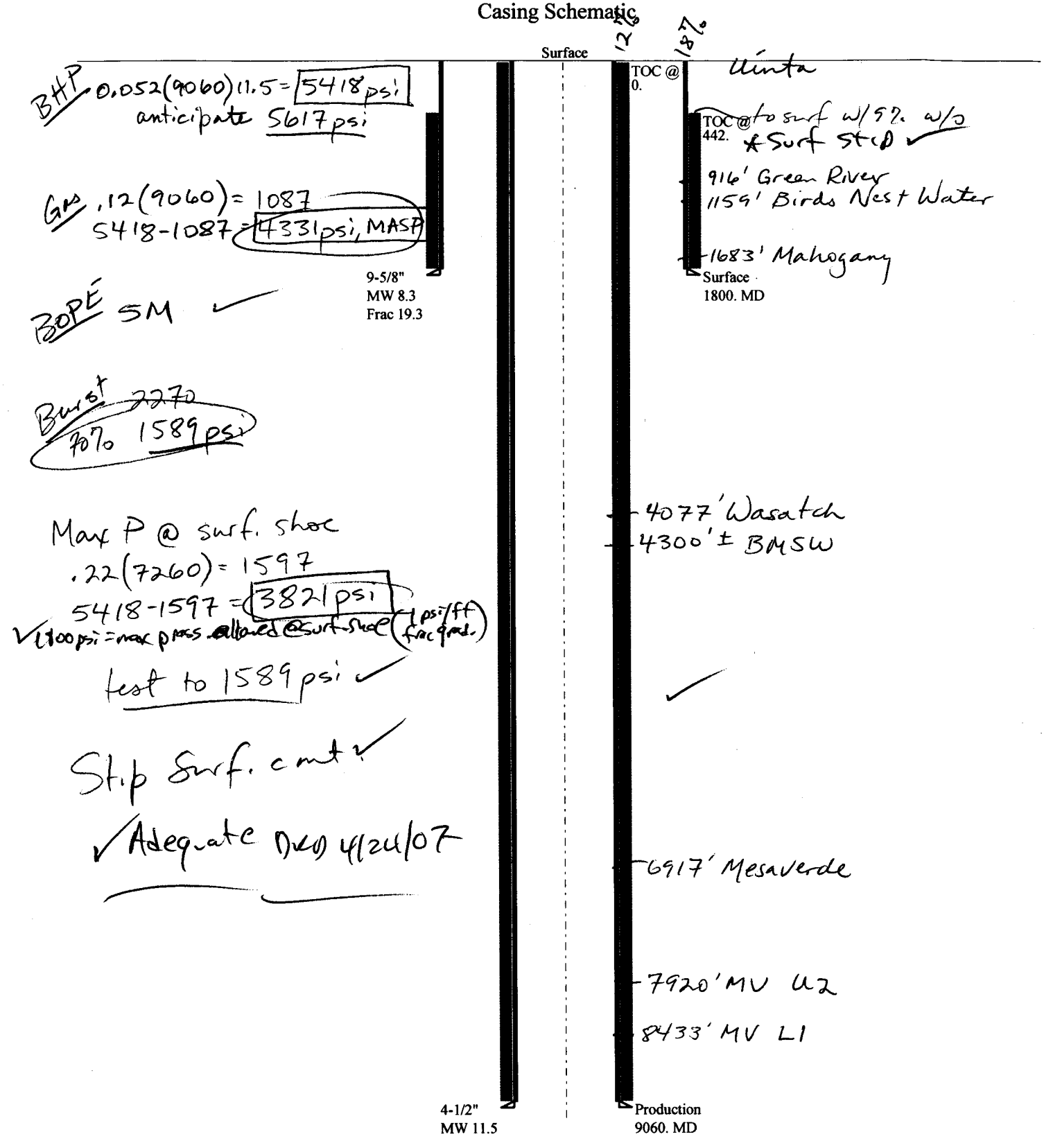
Other Observations / Comments
Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the location.

ATV's were used to access the site.

Floyd Bartlett	4/4/2007
Evaluator	**Date / Time**

2007-04 Kerr McGee State 1021-32J

Casing Schematic



Well name:	**2007-04 Kerr McGee State 1021-32J**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39133
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,584 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,800 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,581 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 100 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,400 ft

Cement top: 442 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 9,060 ft
Next mud weight: 11.500 ppg
Next setting BHP: 5,412 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,800 ft
Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.98 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-04 Kerr McGee State 1021-32J**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39133
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,419 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,412 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,503 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 202 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9060	4.5	11.60	I-80	LT&C	9060	9060	3.875	790.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5412	6360	1.175	5412	7780	1.44	87	212	2.44 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9060 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR McGEE OIL AND GAS ONSHORE LP

9. API NUMBER: 43-047-39133

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7003

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1802' FSL 2149' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

An onsite was conducted on 4/4/07 with the Division of Oil, Gas and Mining Representative and SITLA Representative. It was decided to change the proposed pipeline from two 4" pipelines that were approximately 833' +/- and 880' +/- to, two 4" pipelines approximately 4,800' +/- and 1,150' +/-, a 6" pipeline approximately 7,600' +/-, and a 10" pipeline approximately 3,750' +/-.

Please refer to the attached Topo D.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

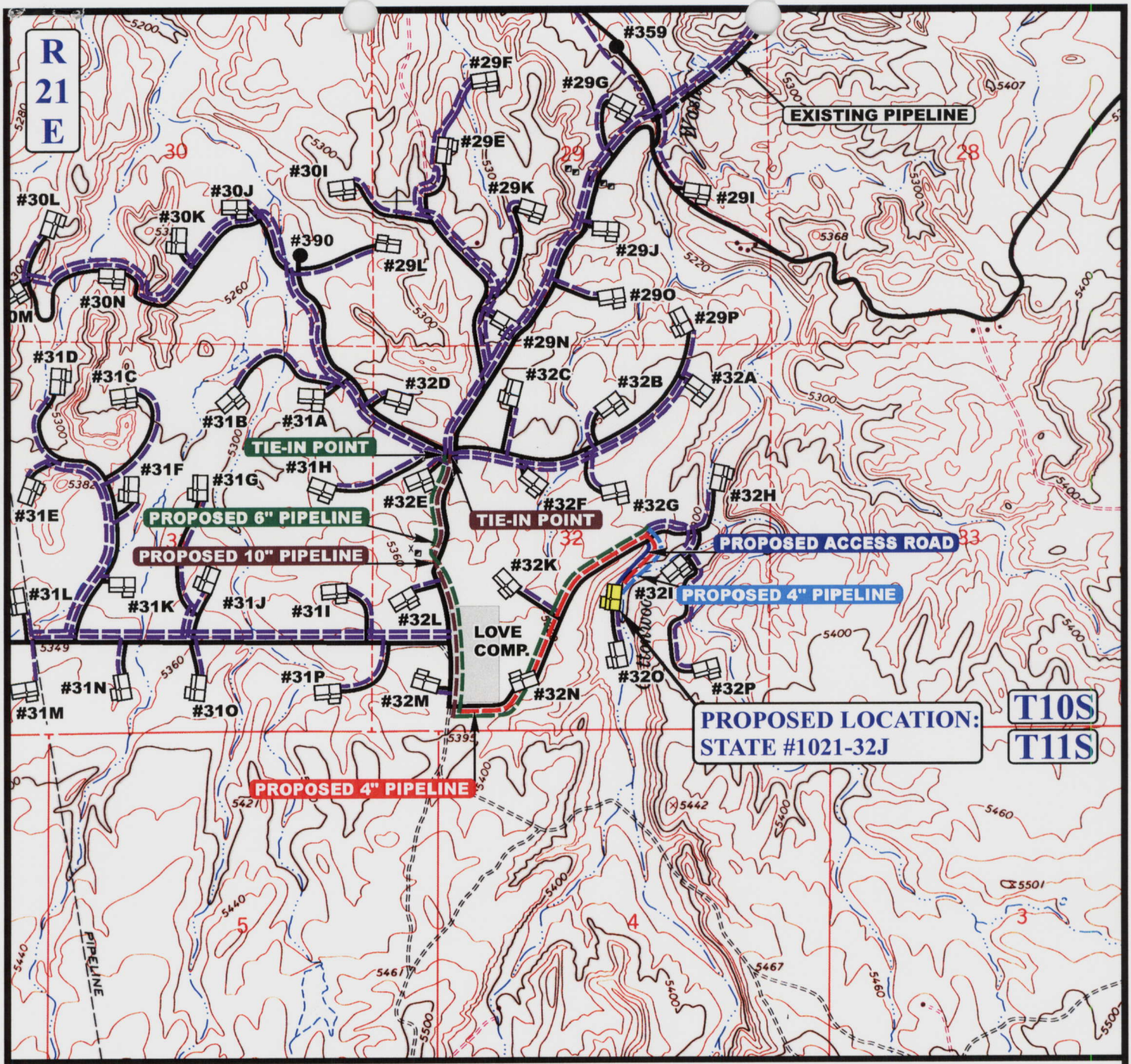
NAME (PLEASE PRINT) Ramey Hoopes TITLE Land Specialist I

SIGNATURE Ramey Hoopes DATE 4/18/2007

(This space for State use only)

RECEIVED
APR 23 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)



APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 1,150' +/-

APPROXIMATE TOTAL 10" PIPELINE DISTANCE = 3,750' +/-

APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 7,600' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 4,800' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32J
SECTION 32, T10S, R21E, S.L.B.&M.
1802' FSL 2149' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	15 DAY	06 YEAR
SCALE: 1" =2000'	DRAWN BY: C.P.	REVISED: 04-12-07	D TOPO

From: Ed Bonner
To: Mason, Diana
Date: 6/22/2007 10:23 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

EOG Resources, Inc
- Chapita Wells Unit 1330-32 (API 43 047 39293)
- Chapita Wells Unit 1326-32 (API 43 047 39294)
- Chapita Wells Unit 1327-32 (API 43 047 39295)
- Chapita Wells Unit 1325-32 (API 43 047 39296)
- Chapita Wells Unit 1331-32 (API 43 047 39300)
- Chapita Wells Unit 1328-32 (API 43 047 39301)

Kerr McGee Oil & Gas Onshore LP
- NBU 1021-19M (API 43 047 38150)
- NBU 1021-32A (API 43 047 39026)
- NBU 1021-32B (API 43 047 39027)
- NBU 1021-32C (API 43 047 39028)
- NBU 1021-32F (API 43 047 39029)
- NBU 1021-32P (API 43 047 39127)
- NBU 1021-32O (API 43 047 39128)
- NBU 1021-32N (API 43 047 39129)
- NBU 1021-32M (API 43 047 39130)
- NBU 1021-32L (API 43 047 39131)
- NBU 1021-32K (API 43 047 39132)
- NBU 1021-32J (API 43 047 39133)
- NBU 1021-32I (API 43 047 39134)
- NBU 1021-32H (API 43 047 39135)
- NBU 1021-32G (API 43 047 39136)
- NBU 1021-32D (API 43 047 39137)
- NBU 1021-32E (API 43 047 39138)

Parallel Petroleum Corporation
- Trail Creek Anticline 1-2-6-25 (API 43 047 38324)

QEP Uinta Basin Inc
- GB 7SG-36-8-21 (API 43 047 38765)

If you have any questions regarding this matter please give me a call.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2007

Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East
Vernal, UT 84078

Re: State 1021-32J Well, 1802' FSL, 2149' FEL, NW SE, Sec. 32, T. 10 South , R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39133.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

cc: Uintah County Assessor
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number State 1021-32J

API Number: 43-047-39133

Lease: ML 21577

Location: NW SE **Sec.** 32 **T.** 10 South **R.** 21 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

8. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	NA
7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	
8. WELL NAME and NUMBER:	State 1021-32J
2. NAME OF OPERATOR:	Kerr-McGee Oil & Gas Onshore, LP
9. API NUMBER:	4304739133
3. ADDRESS OF OPERATOR:	PO Box 173779 CITY Denver STATE CO ZIP 80217-3779
PHONE NUMBER:	(720) 929-6171
10. FIELD AND POOL, OR WILDCAT:	Natural Buttes Field

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1802 FSL & 2149 FEL — COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 21E — STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc

Kerr McGee Oil and Gas Onshore, LP respectfully requests a one year extension for State 1021-32J, in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 6/25/2007.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-08-08

By:

COPY SENT TO OPERATOR
Date: 7.9.2008
Initials: KS

NAME (PLEASE PRINT) Victoria Marques — TITLE Regulatory Intern

SIGNATURE Victoria Marques — DATE 6/25/2008

(This space for State use only)

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739133
Well Name: State 1021-32J
Location: NWSE 1802 FSL 2149 FEL Sec. 32 T 10S 21E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 6/25/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Vitoria Marques
Signature

6/25/2008
Date

Title: Regulatory Intern

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

API Well No: 43047391330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/3/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 30, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/30/2009

RECEIVED June 30, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047391330000

API: 43047391330000
Well Name: STATE 1021-32J
Location: 1802 FSL 2149 FEL QTR NWSE SEC 32 TWNP 100S RNG 210E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 6/25/2007

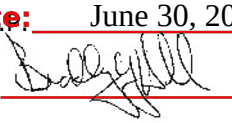
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 6/30/2009
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: June 30, 2009

By: 

RECEIVED June 30, 2009

API Well No: 43047391330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 2/11/2010	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 2/11/2010 AT 12:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

February 16, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/12/2010

RECEIVED February 12, 2010

API Well No: 43047391330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/24/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 2/18/2010. DRILLED 11" SURFACE HOLE TO 1845'. RAN 8 5/8 28# J-55 SURFACE CASING. TEST LINES TO 2000 PSI. PUMP 155 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. PUMP 130 SX CLASS G HI FILL CMT @ 11.0 PPG, 3.82 YLD. PUMP 170 SX OF 15.8 PPG, 1.15 YD, CLASS G PREMIUM LITE TAIL CEMENT. DROP PLUG ON FLY AND DISPLACE W/ 170.5 BBLS OF 8.3 PPG H20, LOSS CIRC 80 BBLS INTO DISPLACEMENT W/ 300 PSI OF LIFT @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP TOP OUT W/ 125 SX OF SAME CMT @ 15.8 PPG, 1.15 YD, 5 GAL/SK CEMENT DOWN BACKSIDE AND STAYED. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 25, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Gianakos	307 752-1169	Regulatory Affairs Supervisor
SIGNATURE N/A		**DATE** 2/24/2010

RECEIVED February 24, 2010

API Well No: 43047391330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/24/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1845' TO 9180' ON JUNE 22, 2010. RAN 4 ½" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 569 SX CLASS G PREM LITE @ 13.3 PPG, 1.66 YD. TAILED CEMENT W/ 1184 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 142 BBLS WATER, BUMPED PLUG @ 3657 PSI, HELD 5 MIN, 12 BBLS LEAD BACK TO SURFACE. EST TOP OF TAIL @ 1223'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON JUNE 24, 2010 @ 19:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 28, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/25/2010

RECEIVED June 25, 2010

API Well No: 43047391330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 1021-32J

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047391330000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6007 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SPUD REPORT Date of Spud:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ DRILLING REPORT Report Date: 7/9/2010	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON JULY 9, 2010 AT 9:25 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 14, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/12/2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 4304739133

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217

PHONE NUMBER: (720) 929-6100

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1802 FSL&2149 FEL NWSE S32,T10SR21E BHL reviewed by HSM
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: 1649 fsl 2107 fel

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 21E S

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 2/11/2010

15. DATE T.D. REACHED: 6/22/2010

16. DATE COMPLETED: 7/9/2010 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5313 GL

18. TOTAL DEPTH: MD 9,180 TVD 9,178

19. PLUG BACK T.D.: MD 9,124 TVD 9,122

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR-HDIL/ZDL/CN/GR
Comp 2

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
11	8.625 J-55	28#		1,827		425			
7 7/8"	4.5 I-80	11.6#		9,167		1,753			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,561							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,410	9,111		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,410 9,111	0.36	111	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7410 - 9111	PUMP 5,590 BBLS SLICK H2O & 190,545 LBS 30/50 SAND

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
AUG 16 2010
DIV. OF OIL, GAS & MINING

(5/2000) **(CONTINUED ON BACK)**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
7/9/2010	7/11/2010	24		0	1,374	576	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
26/64	625	925					0	1,374	576	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	867				
BIRD'S NEST	1,107				
MAHOGANY	1,581				
WASATCH	4,078	6,895			
MESAVERDE	6,895	9,180	TD		

35. ADDITIONAL REMARKS (Include plugging procedure)

ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 8-5-2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/18/2010	14:00 - 0:00	10.00	DRLSUR	01	A	P		MIRU,DRESS COND,INSTALL AIR BOWL,R/U BOOY LINE, R/U PUMPS,BUILD DITCHES WAIT ON DC,S
2/19/2010	0:00 - 2:30	2.50	DRLSUR	01	B	P		FINISH RIG UP COMP,BOOSTER,DOG HOUSE
	2:30 - 4:30	2.00	DRLSUR	06	A	P		P/U BIT # 1 Q507 SERIAL # 7019011 P/U MUD MTR
	4:30 - 6:30	2.00	DRLSUR	08	B	Z		WAIT ON PUMP PARTS
	6:30 - 12:00	5.50	DRLSUR	02	B	P		SPUD 11" HOLE DRL F/ 44' TO 510'-466'-84' HR,WOB=22,ROT=55,MTR=105,GPM=650,PP-1250 ON 1050 OFF, UP/DWN/ROT =45/45/45=
	12:00 - 12:30	0.50	DRLSUR	10	B	P		SURVEY AT 480'=.9 DEGREE AZI=59.3
	12:30 - 16:30	4.00	DRLSUR	02	B	P		DRL F/ 510' TO 1050'=540'-135' HR, WOB=22,ROT=55,MTR=104,GPM=650,PP=1250 ON/1050/OFF,UP/DWN/ROT=55/55/55
	16:30 - 17:00	0.50	DRLSUR	10	B	P		SURVEY @ 1020' = .4 DEGREE 268.0 AZI
	17:00 - 21:00	4.00	DRLSUR	02	B	P		DRL F/ 1050' TO 1530' = 480'-120' HR,WOB=22,ROT=55,MTR=105,PP=1300/ON-1100 OFFGPM=650
	21:00 - 21:30	0.50	DRLSUR	10	B	P		SURVEY @ 1500'=0.9 DEGREE 173 AZI
	21:30 - 0:00	2.50	DRLSUR	02	B	P		DRL F/ 1530' TO 1770' = 240'-96' HR,WOB=22,ROT=55,MTR=104,GPM=650,PP=1300 ON/1100/OFF UP/DWN/ROT=60/60/60
2/20/2010	0:00 - 1:00	1.00	DRLSUR	02	B	P		0DRL F/ 1770' TO 1845' T.D.=75'-75' HR,WOB=22,ROT=55,MTR=104,PP 0N 1300 OFF 1100, GPM=650,UP/DWN/ROT=60/60/60
	1:00 - 2:30	1.50	DRLSUR	05	C	P		CIRC TO LDDS
	2:30 - 5:30	3.00	DRLSUR	06	D	P		LDDS - BHA
	5:30 - 8:30	3.00	DRLSUR	12	C	P		HELD SAFETY MTNG,RUN 41 JOINTS 8 5/8 28# J-55 CSNG SHOE @1813.40 BAFFLE IN THE TOP OF SHOE JOINT @ 1770.15 RELEASE RIG TO THE NBU 1021-32A @ 08:30 2-20-2010
	8:30 - 10:00	1.50	DRLSUR	12	E	P		SAFETY MEETING TEST LINES TO 2000' PSI, PUMP 155 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. PUMP 130 (88.4 BBLS) SX OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAD CEMENT. PUMP 170 SX (34.8 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK 2% CALC TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 170.5 BBLS OF 8.3# H20, LOSS CIRC 80 BBLS INTO DISPLACEMENT W/ 300 PSI OF LIFT @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 125 SX (25.6 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN BACKSIDE AND STAYED. RIG DOWN CEMENTERS.
6/12/2010	3:30 - 8:00	4.50	MIRU	01	E	P		RDRT TO MOVE
	8:00 - 16:00	8.00	MIRU	01	B	P		FINISH RIGGING DOWN AND MOVING EQUIPMENT TO THE NEW LOCATION. RIGGING UP. 1ST TRUCK AND CRANE ON LOCATION 07:00 TRUCKS LEFT @ 15:00 CRANE LEFT @ 16:00. WE HAD TO WAIT TO RAISE THE SUB AND DERRICK FOR GATEWAY TO INSTALL A REMOTE HYDRAULIC VALVE AS PER PIONEER. THEY DID NOT SHOW UP AND THE SUB WAS RAISED @ 15:30. THE SHORT MOVE WAS CONGESTED AND TRUCKING SLOWED BECAUSE OF WAITING FOR THE ROAD TO CLEAR. 5 WEST ROC TRUCKS AND 1 MOUNTAIN WEST.

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:00 - 21:00	5.00	MIRU	01	B	P		RIG UP THE FLOOR, FINNISH THE GROUND EQUIP. PU THE KELLY
	21:00 - 23:00	2.00	MIRU	14	A	P		NU THE BOP
	23:00 - 0:00	1.00	MIRU	15	A	P		PRESSURE TESTED THE UPPER/LOWER KELLY COCK VALVES, AND FLOOR VALVE TO 250# LOW AND 5000#/HIGH FOR 5/10 MIN.
6/13/2010	0:00 - 3:00	3.00	DRLPRO	15	A	P		ATTMPTING TO TEST THE BOP PU THE BOP CLEANED THE ADAPTER FLANGE AND RESET THE THE BOP. TEST STILL LEAKED OFF.
	3:00 - 12:30	9.50	DRLPRO	15	A	Z		ATTEMPTED TO TEST PU BOP AND CHANGED THE API RING. CHANGED OUT PIPE RAM RUBBERS. TESTED THE PIPE RAMS. BLIND RAMS, INSIDE BOP, FLOOR VALVE INSIDE VALVES, KILL LINE, CHECK VALVE, CHOKE MANIFOLD VALVES AND SUPER CHOKE TO 250 PSI LOW F/ 5 MIN AND 5000 PSI HIGH FOR 10 MIN.. TESTED THE ANNULAR TO 250 PSI /LOW AND 2500/ HIGH. TESTED THE SURFACE CASING TO 1500 PSI/30 MIN.
	12:30 - 13:00	0.50	DRLPRO	14	A	P		INSTALLED THE WEAR BUSHING
	13:00 - 17:00	4.00	DRLPRO	06	A	P		RU UP KIMSEY LD MACHINE. PU THE BHA AND DP TO 1700
	17:00 - 18:00	1.00	DRLPRO	09	A	P		SLIPPED AND CUT 120' OF DRILLING LINE.
	18:00 - 20:00	2.00	DRLPRO	23				PU /TORQUE THE KELLY. INSTALLED ROTATING RUBBER AND HAD A PRE SPUD INSPECTION.
	20:00 - 21:00	1.00	DRLPRO	08	A	Z		HAD TO WORK ON THE ROTARY MOTOR. WATER IN THE FUEL AND AN AIR LINE PROBLEM
	21:00 - 23:00	2.00	DRLPRO	02	F	P		TAGGED CEMENT @ 1747'. DRILLED CEMENT AND FLOAT EQUIPMENT.
	23:00 - 0:00	1.00	DRLPRO	02	B	P		DRILLED F/ 1859' - 1936' W/ 15K WOB MOTOR RPM/126 ROTARY RPM/55 8.5/WT 31/VIS.
6/14/2010	0:00 - 2:00	2.00	DRLPRO	06	H	Z		ATEMPTED TO TAKE A SURVEY JUST OUT OF THE SHOE. NO COMMUNICATION FROM THE TOOL TOH F/ THE MWD.
	2:00 - 5:00	3.00	DRLPRO	22	L	Z		SCIENTIFIC INSTALLED A NEW TOOL. STILL NOT WORKING. PULLED THE TOOL AND RETESTED IT ON THE GROUND (GOOD TEST). REINSTALLED THE TOOL AND HAD NO COMMUNICATION. CHANGED OUT THE ANTENNAE. TESTED OK
	5:00 - 7:00	2.00	DRLPRO	06	H	Z		TIH TO DRILL
	7:00 - 16:00	9.00	DRLPRO	02	B	P		DRILLING 1936' - 2915', 979'/9 HR, 108.8'/HR. 18K WOB, ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/856# ON BTTM/1131# DIFF/250-350#. PU/SO/ROT=87/75/84. 5' SLIDE(DUE NORTH) PER 979' 30/VIS, 8.4/WT
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILLING 2915' - 3705', 790'/7.5 HR, 105.3'/HR. 18K WOB ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/1000# ON BTTM/1350# DIFF/250-350#. PU/SO/ROT=100/97/90. 5' SLIDE(DUE NORTH) PER 790', 29/VIS, 8.7/WT
6/15/2010	0:00 - 11:30	11.50	DRLPRO	02	B	P		DRILLING 3705' - 4496', 791'/11.5 HR, 68.8'/HR. 18K WOB ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/1650# ON BTTM/1900# DIFF/250#. PU/SO/ROT=120/90/106.10' SLIDE(DUE NORTH) PER 791', 30-35/VIS, 8.7-10.5/WT
	11:30 - 13:00	1.50	DRLPRO	06	E	P		MADE A 15 STAND WIPER TRIP. WE PULLED 25-30K OVER IN SEVERAL SPOTS.
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 18:00	4.50	DRLPRO	02	B	P		DRILLING 4496' - 4812',316'/4.5 HR, 70.2'/HR. 20K WOB ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/1650# ON BTTM/1900# DIFF/250#. PU/SO/ROT=120/90/106.,35/VIS, 10.6/WT
	18:00 - 18:30	0.50	DRLPRO	03	A	X		HAD TO WORK A TIGHT CONNECTION AND REAM THE HOLE @ 4812'. STARTING RAISING THE MUD WT F/ 10.6 - 11.0
	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRILLING 4812' - 5065',253'/5.5 HR, 46'/HR. 25K WOB ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/1920# ON BTTM/2170# DIFF/250#. PU/SO/ROT=125/90/112.,35/VIS, 11.0/WT
6/16/2010	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRILLING 5065' - 5791',726'/12.5 HR, 58.1'/HR. 25K WOB ROTARY/55 RPM, MOTOR/131RPM. 120 STKS/454 GPM. OFF BTTM/1980# ON BTTM/2250# DIFF/270#. PU/SO/ROT=137/95/117.,36/VIS, 11.3/WT
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:00 - 20:00	7.00	DRLPRO	02	B	P		DRILLING 5791' - 6145', 354'/7 HR, 50.6'/HR. 25K WOB ROTARY/55 RPM, MOTOR/121RPM. 110 STKS/454 GPM. OFF BTTM/1990# ON BTTM/2250# DIFF/260#. PU/SO/ROT=140/100/120.,36/VIS, 11.5/WT
	20:00 - 21:00	1.00	DRLPRO	08	B	Z		CHANGED SWABS AND TIGHTENED A BELT
	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRILLING 6145' - 6234' , 89'/7.5 HR, 29.6'/HR. 25K WOB ROTARY/55 RPM, MOTOR/121RPM. 110 STKS/454 GPM. OFF BTTM/1990# ON BTTM/2230# DIFF/240#. BALLING PROBLEMS PU/SO/ROT=140/90/126.,36/VIS, 11.5/WT
6/17/2010	0:00 - 10:00	10.00	DRLPRO	02	B	P		DRILLING 6234' - 6510' , 276'/10 HR, 27.6'/HR. 25K WOB ROTARY/55 RPM, MOTOR/121RPM. 110 STKS/416 GPM. OFF BTTM/2000# ON BTTM/2350# DIFF/350#. BALLING PROBLEMS PU/SO/ROT=141/100/135.,36/VIS, 11.5/WT
	10:00 - 11:30	1.50	DRLPRO	08	B	Z		W/O THE PUMP WE HAD 1 PUMP DOWN FOR REPAIRS AND LOST THROTTLE CONTROL ON THE #2 PUMP
	11:30 - 16:30	5.00	DRLPRO	02	B	P		DRILLING 6510' - 6645' , 135'/5 HR, 27'/HR. 25K WOB ROTARY/55 RPM, MOTOR/121RPM. 110 STKS/416 GPM. OFF BTTM/2000# ON BTTM/22350# DIFF/200-350#. BALLING PROBLEMS PU/SO/ROT=142/100/136.,36/VIS, 11.7/WT
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	17:00 - 0:00	7.00	DRLPRO	06	A	P		TOH F/ BIT TIGHT FROM 5160' - 4560' AND F/ 3250 - 2200'
6/18/2010	0:00 - 2:00	2.00	DRLPRO	06	A	P		PULLED THE MWD TOOL AND LD THE .29 RPG/1.5 BEND MOTOR. PU .16 RPG/1.5 BEND MOTOR. PU MWD TOOL AND SCRIBE THE ASSEMBLY.
	2:00 - 5:00	3.00	DRLPRO	06	A	P		TIH BREAKING CIRCULATION @ THE CASING SHOE AND 4000'. HIT A BRIDGE @ 3100'.
	5:00 - 10:00	5.00	DRLPRO	03	E	S		HIT ABRIDGE @ 6050 AND HAD TO WASH AND REAM THROUGH VERY STICKY BRIDGES F/ 6050' - 6280'. THEN IT WENT ON TO BOTTOM PRETTY GOOD.
	10:00 - 15:30	5.50	DRLPRO	02	B	P		DRILLING 6645' - 6831' , 186'/5.5 HR, 33.8'/HR. 20K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/1935# ON BTTM/2200# DIFF/200-350#. PU/SO/ROT=147/117/132.,40/VIS, 12.2/WT
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

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Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILLING 6831' - 7051 , 220'/8' HR, 27.5'/HR. 23K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/1950# ON BTTM/2225# DIFF/200-350#. PU/SO/ROT=150/120/140.,40/VIS, 12.3/WT
6/19/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILLING 7051' - 7272' , 221'/6 HR, 36.8'/HR. 23K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2100# ON BTTM/2325# DIFF/200-300#. PU/SO/ROT=150/120/140.,40/VIS, 12.3/WT
	6:00 - 13:00	7.00	DRLPRO	02	B	P		DRILLING 7272' - 7525 , 253'/7 HR, 36.1'/HR. 23K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2170# ON BTTM/2345# DIFF/180-350#. PU/SO/ROT=154/124/146.,40/VIS, 12.3/WT
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 0:00	10.50	DRLPRO	02	B	P		DRILLING 7525' - 7841' , 316'/10.5 HR, 30.1'/HR. 23K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2250# ON BTTM/2500# DIFF/250-300#. PU/SO/ROT=155/125/150.,42/VIS, 12.5/WT
6/20/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILLING 7841' - 7999' , 158'/6 HR, 26.3'/HR. 23K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2250# ON BTTM/2500# DIFF/250-300#. PU/SO/ROT=157/125/152.,41/VIS, 12.5/WT
	6:00 - 15:30	9.50	DRLPRO	02	B	P		DRILLING 7999' - 8284' , 285'/9.5 HR, 30'/HR. 25K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2250# ON BTTM/2525# DIFF/250-300#. PU/SO/ROT=170/120/158.,48/VIS, 12.4/WT
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILLING 8284' - 8505' , 221'/8 HR, 27.6'/HR. 25K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2140# ON BTTM/2350# DIFF/210-280#. PU/SO/ROT=175/125/160.,48/VIS, 12.5/WT
6/21/2010	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILLING 8505' - 8632' ,127'/8 HR, 15.6'/HR. 28K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2140# ON BTTM/2280# DIFF/140-200#. PU/SO/ROT=177/128/162.,48/VIS, 12.5/WT
	8:00 - 8:30	0.50	DRLPRO	05	F	P		MIX AND PUMP A WEIGHTED PILL
	8:30 - 9:30	1.00	DRLPRO	06	A	P		TFB # 2
	9:30 - 11:30	2.00	DRLPRO	08	A	Z		AN AIR SUPPLY HOSE FOR THE #2 DWK CLUTCH HAD TO BE REPAIRED
	11:30 - 15:30	4.00	DRLPRO	06	A	P		TOH F/ BIT #2 AND LD THE MWD TOOLS
	15:30 - 21:00	5.50	DRLPRO	06	A	P		X/O BITS AND TIH. WE HAD SMALL BRIDGES @ 2900 - 3500'. TAGGED A BRIDGE @ 7102'
	21:00 - 23:00	2.00	DRLPRO	03	E	S		WASHED THROUGH BRIDGES. SECTION F/ 7102' - 7400'
	23:00 - 23:30	0.50	DRLPRO	06	A	P		TIH TO 8500'
	23:30 - 0:00	0.50	DRLPRO	03	E	P		REAMED F/ 8500' - 8580'
6/22/2010	0:00 - 0:30	0.50	DRLPRO	03	E	P		WASHED AND REAMED F/ 8580' - 8632'
	0:30 - 6:00	5.50	DRLPRO	02	B	P		DRILLING 8632' - 8809' ,177'/5.5 HR, 32.2'/HR. 22K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2439# ON BTTM/2610# DIFF/175 - 250#. PU/SO/ROT=165/150/160.,45/VIS, 12.9/WT

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 12:00	6.00	DRLPRO	02	B	P		DRILLING 8809' - 9030' ,221'/6 HR, 36.8'/HR. 22K WOB ROTARY/55 RPM, MOTOR/67RPM. 110 STKS/416 GPM. OFF BTTM/2439# ON BTTM/2640# DIFF/175 - 250#. PU/SO/ROT=167/150/162.,45/VIS, 13.0/WT
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:30 - 16:30	4.00	DRLPRO	02	B	P		DRILL F/ 9030' TO 9180' TD @ 16:30 6/22/2010 ,(150' @ 37.5' HR) WOB 20-22 ,RPM 50 ,MMRPM 67 ,SPM 110 ,GPM 416 ,ON/OFF 2570/2380 ,DIFF 175/250, PU/SO/ROT 177-165-170 ,WT 13 ,VIS 44 ,SPR @ 8895' #1 60-865 #2 60-910
	16:30 - 17:30	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP, PUMP PILL
	17:30 - 21:00	3.50	DRLPRO	06	E	P		SHORT TRIP TO CSG SHOE @ 1813' ,TIGHT @ 6150' ,4786' ,4076' TO 3986' & F/3291' TO 2102' 20K TO 40K DRAG
	21:00 - 22:30	1.50	DRLPRO	09	A	P		FILL PIPE ,SLIP & CUT 125' DRILL LINE
	22:30 - 0:00	1.50	DRLPRO	06	E	P		TIH F/ CASING SHOE
6/23/2010	0:00 - 2:00	2.00	DRLPRO	06	E	P		FINISH TIH ,NO PROBLEMS ,WASH 30' TO BTM 4' FILL
	2:00 - 4:00	2.00	DRLPRO	05	C	P		CIRC BTMS UP ,PUMP PILL DROP SURVEY
	4:00 - 9:00	5.00	DRLPRO	06	B	P		TOOH F/ LOGS ,L/D BIT & MOTOR ,1 TIGHT SPOT @ 6624' 20K DRAG
	9:00 - 15:00	6.00	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS ,R/U AND RUN TRIPLE COMBO TO 9179' ,LOG OUT,R/D LOGGERS
	15:00 - 20:00	5.00	DRLPRO	06	A	P		P/U R/R TRI CONE BIT,BIT SUB TIH, WASH 50' TO BOTTOM 4' FILL
	20:00 - 21:30	1.50	DRLPRO	05	C	P		CIRC & COND F/ LDDP ,SAFETY MEETING W/ KIMZEY & R/U LAY DOWN MACHINE ,PUMP PILL
	21:30 - 0:00	2.50	DRLPRO	06	A	P		LDDP 5400'
6/24/2010	0:00 - 5:00	5.00	DRLPRO	06	A	P		LDDP ,BREAK KELLY ,L/D BHA ,PULL WEAR RING
	5:00 - 5:30	0.50	DRLPRO	12	A	P		SAFETY MEETING W/ KIMZEY CASING & R/U
	5:30 - 11:30	6.00	DRLPRO	12	C	P		RUN 217 JTS 4.5 ,11.6 ,I-80 ,BT&C, CASING ,SHOE @ 9168' ,FLOAT COLLAR @ 9124 , MARKER JT @ 4066'
	11:30 - 12:30	1.00	DRLPRO	05	D	P		CIRC F/ CEMENT ,R/D CASERS ,SAFETY MEETING W/ BJ SERVICES & R/D CEMENTERS
	12:30 - 15:00	2.50	DRLPRO	12	E	P		CEMENT W/ 40 BBLS PRE FLUSH ,569 SX 13.3# ,1.66 YLD LEAD ,1184 SX 14.3# 1.31 YLD TAIL ,DISPLACE W/ 142 BBLS CLAY TREAT WATER ,FINAL LIFT 3067 PSI, BUMP PLUG @ 3657 PSI ,HELD 5 MIN ,12 BBLS LEAD BACK TO PIT ,EST TOP OF TAIL @ 1223'
	15:00 - 16:00	1.00	DRLPRO	12	B	P		R/D CEMENTERS ,INSTALL PACK OFF ASSEMBELY
	16:00 - 19:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN BOP ,CLEAN PITS ,RELEASE RIG @ 19:00 6/24/2010 TO STATE 1021-32H

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/16/2010	End Date: 6/24/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	19:00 - 19:00	0.00	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: 0 SPUD DATE/TIME: 2/19/2010 0630 SURFACE HOLE: Surface From depth:44 Surface To depth: 1,859 Total SURFACE hours: 20.00 Surface Casing size:8 5/8 # of casing joints ran: 41 Casing set MD:1,813.0 # sx of cement:425 Cement blend (ppg:)LEAD 11 ,TAIL 15.8 ,TOP OUT 15.8 Cement yield (ft3/sk): LEAD 3.82 ,TAIL 1.15 ,TOP OUT 1.15 # of bbls to surface: Describe cement issues: LOST CIRC 80 BBLS INTO TAIL Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 6/12/2010 3:30 Rig Move/Skid finish date/time:6/12/2010 21:00 Total MOVE hours: 17.5 Prod Rig Spud date/time: 6/13/2010 21:00 Rig Release date/time: 6/24/2010 19:00 Total SPUD to RR hours: 262.0 Planned depth MD 9,125 Planned depth TVD 9,125 Actual MD: 9,180 Actual TVD: 9,177 Open Wells $: $764,288 AFE $: $730,456 Open wells $/ft:$83.26 PRODUCTION HOLE: Prod. From depth: 1,859 Prod. To depth:9,180 Total PROD hours: 160.5 Log Depth: 9179 Production Casing size: 4.5,11.6,I80 # of casing joints ran: 217 Casing set MD:9,167.7 # sx of cement:569 LEAD 1184 TAIL Cement blend (ppg:)13.3 LEAD ,14.3 TAIL Cement yield (ft3/sk): 1.66 LEAD ,1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : 18' LEAD ,1223' TAIL Describe cement issues: FULL RETURNS ,NO PROBLEMS Describe hole issues: NO PROBLEMS DIRECTIONAL INFO: KOP: Max angle: Departure: Max dogleg MD:

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/1/2010	End Date: 7/7/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/1/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, RIGGING UP, PICKINGUP TBG.
	6:45 - 16:30	9.75	COMP	31	I	P		MIRU, NU BOP, RU FLOOR & TBG EQUIP, TALLY & PU TBG TAGGED FILL @ 9,080', RU POWER SWIVEL TO CLEAN OUT FILL & DEEPEN WELL FOR BTM PERFORATION FROM 9,080' TO 9,140' W/ 289 JTS, (18' BELOW FC), CIRC HOLE CLEAN. RD POWER SWIVEL & LD 29 JTS FINISH POOH IN AM FOR PRESS TEST & FIRST SHOOT. SWI SDFN.
7/2/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, PRESSURE TESTING
	6:45 - 8:30	1.75	COMP	31	I	P		POOH TO PRESSURE TEST & PERF, RD FLOOR, ND BOP, NU FRAC VALVE.
	8:30 - 10:00	1.50	COMP	33	C	P		MIRU B & C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,000 PSI. RDMO B&C QUICK TEST.
	10:00 - 14:30	4.50	COMP	37	B	P		MIRU CUTTERS TO PERFORATE ZONE 1. PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH PERF MESA VERDE @ 9,109'-11' 3SPF 6 HOLES, 8,991'-94' 3SPF 9 HOLES, 8,956'-58' 3SPF 6 HOLES, TOTAL 21 HOLES. POOH W / WIRE LINE. PREP TO FRAC ON TUESDAY. SWI SDFWE.
7/6/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, MAKE SURE SURFACE SAFETY VALVE OPEN.
	6:45 - 8:30	1.75	COMP	36	B	P		[STAGE 1] MIRU FRAC TECH PRIME UP PUMPING LINE & PRESS TEST SURFACE LINES TO 8,000 PSI. WHP= 892 PSI, BRK@ 3,587 PSI @ 7 BPM, ISIP 3,001 PSI, FG .77. PUMP 100 BBLS @ 50 BPM 5,560 PSI,= 100% PERFS OPEN. MP 6,410 PSI MR 55 BPM, AP 5,320 PSI AR 53 BPM, ISIP 2,732 PSI, FG.74. NPI -269 PSI, PMPD 1,558 BBLS SW & 52,634 LBS OF 30/50 SND & 5,000 LBS OF RESIN SND. TOTAL PROP 57,634 LBS.
	8:30 - 10:45	2.25	COMP	36	B	P		[STAGE 2] PU 4 1/2" CBP & 3 1/8 EXP GUNS, 23 GRM, .36" HOLES, 120 DEG PHASING, SET 8K HALI BURTON CBP @ 8,770' & PERF MESA VERDE @ 8,676'-80' 3 SPF, 12 SHOTS, 8,583'-86' 3 SPF, 9 SHOTS, TOTAL 21 HOLES. PERFS DID NOT WANTTO BREAK AFTER 8 TRIES SURGED BACK THEN BROKE AT 5,481 PSI 3.8 BPM SPEAR HEADED 250 GAL 15% ACID. WHP= 1,167 PSI , BRK @ 5,481 PSI @ 3.8 BPM, ISIP 3,369 PSI , FG .82. PUMP 100 BBLS @ 30 BPM @ 5,835 PSI, = 67% PERFS OPEN. MP 6,223 PSI MR 40 BPM, AP 6,031 PSI, AR 32.2 BPM, ISIP 3,171 PSI, FG .80. NPI -198 PSI, PMPD 1,028 BBLS SW & 16,339 LBS OF 30/50 SND & 5,000 LBS OF RESIN SAND. TOTAL PROP 21,339 LBS.

US ROCKIES REGION

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	10:45 - 12:15	1.50	COMP	36	B	P		[STAGE 3] PU 4 1/2" CBP & 3 1/8 EXP GUNS, 23 GRM, .36" HOLES, 120 DEG PHASING, SET 8K HALI BURTON CBP @ 8,533' & PERF MESA VERDE @ 8,456'-59' 3 SPF, 9 SHOTS, 8,414'-15' 3 SPF, 3 SHOTS, 8,366'-67' 3 SPF, 3 SHOTS, 8,250'-52' 3 SPF, 6 SHOTS, TOTAL 21 HOLES. WHP= 920 PSI , BRK @ 6,271 PSI @ 4.2 BPM, ISIP 3,440 PSI , FG .84. PUMP 100 BBLS @ 43 BPM @ 5,528 PSI, = 100% PERFS OPEN. MP 6,505 PSI MR 50.8 BPM, AP 5,375 PSI, AR 43.7 BPM, ISIP 2,806 PSI, FG .77. NPI -634 PSI, PMPD 1,007 BBLS SW & 30,794 LBS OF 30/50 SND & 5,000 LBS OF RESIN SAND. TOTAL PROP 35,794 LBS.
	12:15 - 13:45	1.50	COMP	36	B			[STAGE 4] PU 4 1/2" CBP & 3 1/8 EXP GUNS, 23 GRM, .36" HOLES, 90 DEG PHASING, SET 8K HALI BURTON CBP @ 7,840' & PERF MESA VERDE @ 7,738'-40' 4 SPF, 8 SHOTS, 7,648'-50' 4 SPF, 8 SHOTS, 7,615'-17' 4 SPF, 8 SHOTS, TOTAL 24 HOLES. WHP= 825 PSI , BRK @ 5,876 PSI @ 4.3 BPM, ISIP 2,351 PSI , FG .74. PUMP 100 BBLS @ 51 BPM @ 5,150 PSI, = 100% PERFS OPEN. MP 5,487 PSI MR 51.6 BPM, AP 4,278 PSI, AR 51.1 BPM, ISIP 2,489 PSI, FG .76. NPI 138 PSI, PMPD 1,326 BBLS SW & 49,264 LBS OF 30/50 SND & 5,000 LBS OF RESIN SAND. TOTAL PROP 54,264 LBS
	13:45 - 15:00	1.25	COMP	36	B			[STAGE 5] PU 4 1/2" CBP & 3 1/8 EXP GUNS, 23 GRM, .36" HOLES, 90 DEG PHASING, SET 8K HALI BURTON CBP @ 7,565' & PERF MESA VERDE @ 7,517'-19' 4 SPF, 8 SHOTS, 7,483'-85' 4 SPF, 8 SHOTS, 7,410'-12' 4 SPF, 8 SHOTS, TOTAL 24 HOLES. WHP= 825 PSI , BRK @ 6,231 PSI @ 4.2 BPM, ISIP 2,860 PSI , FG .82. PUMP 100 BBLS @ 50.5 BPM @ 5,365 PSI, = 100% PERFS OPEN. MP 5,351 PSI MR 51.7 BPM, AP 4,680 PSI, AR 50.9 BPM, ISIP 2,420 PSI, FG .76. NPI -440 PSI, PMPD 671 BBLS SW & 17,514 LBS OF 30/50 SND & 4,000 LBS OF RESIN SAND. TOTAL PROP 21,514 LBS. TOTAL FOR JOB WATER 5,590 BBLS, PROP 190,545#
	15:00 - 18:30	3.50	COMP	36	B			SET 8K KILL PLUG @ 7,360', RD WIRELINE & FRAC TECH, ND FRAC VALVE, NU BOP FOR DRILLOUT IN AM, SWI SDFN.
7/7/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, DRILLING PLUGS & LANDING TBG
	6:45 - 8:30	1.75	COMP	31	I	P		RIH TO 7,330', RU POWER SWIVEL TO DRILL PLUGS.

US ROCKIES REGION

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Event: COMPLETION	Start Date: 7/1/2010	End Date: 7/7/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:30 - 17:30	9.00	COMP	44	C	P		SICP 0 PSI, BREAK CIRC CONVENTIONAL W/ T-MAC , PRESS TEST BOPS TOO 3000 PSI, START DRLG PLUGS. C/O 20' SAND, TAG 1ST PLUG @ 7,360' DRL PLUG IN 6 MIN. 700 PSI INCREASE RIH. C/O 15' SAND, TAG 2ND PLUG @ 7,565' DRL PLUG IN 4 MIN. 700 PSI INCREASE RIH. C/O 30' SAND, TAG 3RD PLUG @ 7,840' DRL PLUG IN 4 MIN. 1000 PSI INCREASE RIH. C/O 30' SAND, TAG 4TH PLUG @ 8,533' DRL PLUG IN 5 MIN. 600 PSI INCREASE RIH. C/O 45' SAND, TAG 5TH PLUG @ 8,770' DRL PLUG IN 5 MIN. 800 PSI INCREASE RIH RIH TO PBTD @ 9,140' W/ 289 JTS 2 3/8" J-55 TBG, LD 19 JTS, LAND TBG W/ 270 JTS 2 3/8" J-55 EOT 8,561.05', SN @ 8,558.85' RD FLOOR, ND BOPS, NU WH, DROP BALL TO SHEAR OFF BIT PUMPED 25 BBLS NEVER BUILT ANY PRESSURE. TURN WELL OVER TO FLOW BACK CREW. RD ROAD RIG TO NBU 1021-2L . KB= 18' 4 1/16 HANGER= .83' J-55 TBG 270 JTS 2 3/8 J-55 = 8,540.02' TBG DELIVERED: 299 JTS POBS= 2.20' TBG USED: 270 JTS EOT @ 8,561.05' TBG RETURNED: 29 JTS SN @ 8,558.85' TWTR= 5,590 BBLS SICP: 1,400 TWR= 1300 BBLS FTP: 175 TWLTR= 4,290 BBLS (FBT // RNI TANK # N-3)
7/8/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 925#, TP 625#, 32/64" CK, 70 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 3110 BBLS LEFT TO RECOVER: 2480
7/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1425#, TP 525#, 32/64" CK, 36 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 4244 BBLS LEFT TO RECOVER: 1346
	9:25 -		PROD	50				WELL TURNED TO SALES @ 0925 HR ON 7/9/2010 - 1600 MCFD, 864 BWPD, CP1400#, FTP 575#, CK 32/64"
7/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1125#, TP 425#, 32/64" CK, 25 BWPH, MED SAND, 1.4 GAS TTL BBLS RECOVERED: 4922 BBLS LEFT TO RECOVER: 668
7/11/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1050#, TP 475#, 32/64" CK, 24 BWPH, MED SAND, 1.5 GAS TTL BBLS RECOVERED: 5478 BBLS LEFT TO RECOVER: 112

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/1/2010	End Date: 7/7/2010
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 -							WELL IP'D ON 7/11/10- 1374 MCFD, 0 BOPD, 576 BWPD, CP 925#, FTP 625#, CK 26/64", LP 136#, 24 HRS

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	STATE 1021-32J	**Wellbore No.**	OH
Well Name	STATE 1021-32J	**Common Name**	STATE 1021-32J
Project	UTAH-UINTAH	**Site**	STATE 1021-32J
Vertical Section Azimuth	165.34 (°)	**North Reference**	True
Origin N/S	0.0 (ft)	**Origin E/W**	0.0 (ft)
Spud Date	2/19/2010	**UWI**	STATE 1021-32J
Active Datum	RKB @5,331.01ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	APC
Started	2/19/2010	**Ended**	
Tool Name		**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/19/2010	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2/19/2010	NORMAL	494.00	0.09	54.30	494.00	0.22	0.31	-0.14	0.02	0.02	0.00	54.30
	NORMAL	1,034.00	0.04	268.00	1,034.00	0.46	0.46	-0.33	0.02	-0.01	-27.09	-169.79
	NORMAL	1,514.00	0.09	173.00	1,514.00	0.08	0.34	0.01	0.02	0.01	-19.79	-118.09

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	SCIENTIFIC
Started	6/14/2010	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,514.00	0.09	173.00	1,514.00	0.08	0.34

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
6/14/2010	Tie On	1,514.00	0.09	173.00	1,514.00	0.08	0.34	0.01	0.02	0.01	-19.79	241.91
6/14/2010	NORMAL	1,874.00	1.21	191.98	1,873.97	-3.92	-0.41	3.69	0.31	0.31	5.27	20.47
	NORMAL	2,190.00	1.47	183.09	2,189.89	-11.23	-1.32	10.53	0.11	0.08	-2.81	316.85
	NORMAL	2,506.01	0.63	187.39	2,505.83	-17.00	-1.77	16.00	0.27	-0.27	1.36	176.79
	NORMAL	2,822.01	1.11	191.04	2,821.80	-21.73	-2.58	20.37	0.15	0.15	1.16	8.41
	NORMAL	3,138.01	1.41	183.76	3,137.72	-28.61	-3.42	26.81	0.11	0.09	-2.30	328.24
	NORMAL	3,453.01	1.25	188.20	3,452.64	-35.88	-4.16	33.66	0.06	-0.05	1.41	149.42
6/15/2010	NORMAL	4,398.01	1.18	143.57	4,397.34	-59.02	-2.45	56.47	0.28	-0.17	-8.83	219.48
	NORMAL	4,718.01	1.31	166.26	4,717.26	-65.22	0.37	63.19	0.16	0.04	7.09	86.76
6/15/2010	NORMAL	3,769.01	1.44	188.30	3,768.55	-43.22	-5.23	40.49	0.06	0.06	0.03	0.76
	NORMAL	4,085.01	1.71	171.22	4,084.43	-51.81	-5.08	48.83	0.17	0.09	-5.41	291.18
6/16/2010	NORMAL	5,043.01	1.47	160.82	5,042.17	-72.77	2.62	71.06	0.06	0.05	-1.67	317.75
	NORMAL	5,351.01	1.77	174.89	5,350.05	-81.24	4.35	79.69	0.16	0.10	4.57	60.15
	NORMAL	5,667.01	1.58	173.07	5,665.91	-90.42	5.31	88.82	0.06	-0.06	-0.58	194.73
	NORMAL	5,978.01	1.91	179.05	5,976.77	-99.86	5.91	98.10	0.12	0.11	1.92	31.90
6/17/2010	NORMAL	6,267.01	1.65	167.00	6,265.63	-108.73	6.93	106.94	0.16	-0.09	-4.17	229.29
	NORMAL	6,578.01	1.70	173.40	6,576.50	-117.67	8.46	115.98	0.06	0.02	2.06	78.25
6/18/2010	NORMAL	6,794.01	1.15	167.19	6,792.43	-122.97	9.31	121.32	0.26	-0.25	-2.87	192.59
6/19/2010	NORMAL	7,118.01	1.37	157.01	7,116.35	-129.71	11.55	128.40	0.10	0.07	-3.14	309.34
	NORMAL	7,397.01	1.58	154.33	7,395.26	-136.24	14.51	135.48	0.08	0.08	-0.96	340.47
	NORMAL	7,745.02	1.72	152.49	7,743.12	-145.20	19.00	145.28	0.04	0.04	-0.53	338.35
6/20/2010	NORMAL	8,067.02	1.83	135.94	8,064.97	-153.18	24.81	154.47	0.16	0.03	-5.14	273.76
	NORMAL	8,378.02	1.67	139.00	8,375.82	-160.17	31.24	162.86	0.06	-0.05	0.98	151.24
6/21/2010	NORMAL	8,569.02	2.02	136.38	8,566.72	-164.71	35.39	168.30	0.19	0.18	-1.37	345.14
6/23/2010	NORMAL	9,110.02	2.35	0.16	9,107.55	-160.52	42.00	165.92	0.75	0.06	-25.18	203.64
	NORMAL	9,180.02	2.35	0.16	9,177.50	-157.65	42.01	163.14	0.00	0.00	0.00	0.00

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/24/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead repair/re-completion operations on the subject well location. The operator proposes to re-complete the Wasatch formation. The operator also requests authorization to commingle the newly Wasatch and existing Mesaverde formations. Please refer to the attached wellhead repair/re-completion procedures.

Approved by the Utah Division of Oil, Gas and Mining

Date: 07/05/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/24/2011

Please Review Attached Conditions of Approval

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The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047391330000

Authorization: Board Cause No. 210-05.

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Greater Natural Buttes Unit

STATE 1021-32J

WELLHEAD CHANGEOUT & RE-COMPLETIONS PROCEDURE

DATE:6/3/2011
AFE#:
API#:4304739133
WO#: (For Wellhead Changeout)
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: **Zachary Garrity, Denver, CO**
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: **JEFF DUFRESNE**

SIGNATURE:

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REMEMBER SAFETY FIRST!

Name: **STATE 1021-32J**
Location: **NW SE Section 32 T10S R21E**
LAT: 39.901597 **LONG:** -109.573636 **COORDINATE:** *NAD83 (Surface Location)*
Uintah County, UT
Date: **6/3/2011**

ELEVATIONS: 5313' GL 5331' KB *Frac Registry TVD: 9177*

TOTAL DEPTH: 9180' **PBTD:** 9123'
SURFACE CASING: 8 5/8", 28# J-55 ST&C @ 1828'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9168'
Marker Joint **4042-4050**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

867' Green River Top
1107' Bird's Nest Top
1581' Mahogany Top
4078' Wasatch Top — 6895' Wasatch Bottom
6895' Mesaverde Top — 9180' Mesaverde Bottom (TD)

T.O.C. @ 30' (Cutters CBL - 6/30/2010)

GENERAL:

- A minimum of **12** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 6/23/2010
- **4** fracturing stages required for coverage.
- Procedure calls for **5** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.

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- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Pump 20/40 mesh **curable resin coated sand** last 5,000# on frac stage 1 and 2,500# on frac stages 2-4
- Tubing Currently Landed @~8561
- Originally completed on 7/6/2010
- **Note: Equipment to have on location:**
  - 2 jts 4-1/2" x 11.6# x 8rd
  - 2 jts 4-1/2" x 11.6" x Butress
  - Buttress x 8rd change overs.
  - Elevators for 4-1/2" csg.
  - Tongs for 4-1/2" csg.
  - All Weatherford well head parts needed, with Weatherford hand.

Existing Perforations:

PERFORATIONS

Formation	Zone	Top	Btm	spf	Shots	Date	Reason	Comments	Producing
MESAVERDE		7410	7412	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		7483	7485	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		7517	7519	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		7615	7617	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		7648	7650	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		7738	7740	4	8	07/01/2010	PRODUCTION		Yes
MESAVERDE		8250	8252	3	6	07/01/2010	PRODUCTION		Yes
MESAVERDE		8366	8367	3	3	07/01/2010	PRODUCTION		Yes
MESAVERDE		8414	8415	3	3	07/01/2010	PRODUCTION		Yes
MESAVERDE		8456	8459	3	9	07/01/2010	PRODUCTION		Yes
MESAVERDE		8583	8586	3	9	07/01/2010	PRODUCTION		Yes
MESAVERDE		8676	8680	3	12	07/01/2010	PRODUCTION		Yes
MESAVERDE		8956	8958	3	6	07/01/2010	PRODUCTION		Yes
MESAVERDE		8991	8994	3	9	07/01/2010	PRODUCTION		Yes
MESAVERDE		9109	9111	3	6	07/01/2010	PRODUCTION		Yes

Relevant History:

7/6/2010 – Original completion (5 stage frac)

8/31/2010 – Slickline ran to TD and set down at 9080'. Ran broach and set down at 8540'. Came out tubing was clean, dropped and chased titanium spring to bottom.

5/20/2011 - Slickline ran to TD and set down at 9089'. Ran broach and set down at 8549'. Came out tubing was clean, dropped and chased titanium spring and sand viper plunger to bottom

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S - Separator (ppm)
5/31/2011	0.00	0.00	0.00	#NA	5.00
4/30/2011	149.90	10.07	4.90	99.84	2.00
3/31/2011	195.58	15.94	0.58	84.45	60.00
2/28/2011	213.00	21.04	6.50	129.28	2.00
1/31/2011	229.94	23.58	1.13	107.46	2.00
12/31/2010	254.81	25.35	1.58	105.71	3.00
11/30/2010	287.07	31.47	5.27	127.96	23.00

PROCEDURES: Prior to initiating back-off or casing cutting activities the UDOGM will be notified. Specifically, Mr. Dave Hackford (435-722-7589) will be called, and if not available, Dan Jarvis (801-538-5338) and or Dustin Doucet (801-538-5281) will be notified. No work will be accomplished prior to notifying the appropriate UDOGM representative.

STATE 1021-32J – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).

RECEIVED Jun. 24, 2011

3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.

4. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8561'). Visually inspect for scale and consider replacing if needed.

5. If tbg looks ok consider running a gauge ring to 7450' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7450' (50' below proposed CBP).

6. Rig up wireline service. RIH and set CBP @ ~7400'. Dump bail **2 sx** cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.

7. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.

8. Pressure test casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

9. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.

2. POOH, LD cutters and casing.

3. PU 7 3/8" overshot with 4 ½" right hand standard wicker grapple, 1 - 4 ¾" drill collar with 3 ½" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.

4. TIH w/ skirted mill and dress off the fish top for approximately ½ hour. TOOH.

5. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.

RECEIVED Jun. 24, 2011

6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.

7. Install slips. Land casing w/ 80,000# tension.

8. Cut-off and dress 4 ½" casing stub.

9. NU frac valves. Test frac valves to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

10. RDMO. Turn well over to completions ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.

5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ±7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.

7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.

8. Install slips. Land casing w/ 80,000# tension.

9. Cut-off and dress 4 ½" casing stub.

10. NU frac valves. Test frac valves to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions

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will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

11. RDMO. Turn well over to completions ops.

RECOMPLETE – PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU

2. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7091	7092	3	3
MESAVERDE	7117	7118	3	3
MESAVERDE	7199	7200	4	4
MESAVERDE	7292	7293	4	4
MESAVERDE	7314	7315	4	4
MESAVERDE	7354	7356	3	6

3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7091' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

4. Set 8000 psi CBP at ~6,873'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6658	6661	3	9
WASATCH	6819	6823	3	12

5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6658' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

6. Set 8000 psi CBP at ~6,422'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6321	6324	4	12
WASATCH	6369	6372	4	12

7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6321' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

8. Set 8000 psi CBP at ~4,602'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	4546	4552	4	24

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~4546' andflush only with recycled water.

10. Set 8000 psi CBP at~4,496'.

11. ND Frac Valves, NU and Test BOPs.

RECEIVED Jun. 24, 2011

12. TIH with 3 7/8" bit, pump off sub, SN and tubing.

13. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±8561' unless indicated otherwise by the well's behavior. The well will be commingled at this time.

14. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

15. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)

NOTES:
If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

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Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

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Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Jordan Portillo: 435/781-9785, 435/828-6221

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

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Name STATE 1021-32J Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	MESAVERDE	7091	7092	3	3		7085.5	to	7094.5
	MESAVERDE	7117	7118	3	3		7110	to	7123
	MESAVERDE	7199	7200	4	4		7183	to	7207
	MESAVERDE	7292	7293	4	4		7282.5	to	7333.5
	MESAVERDE	7314	7315	4	4		7282.5	to	7333.5
	MESAVERDE	7354	7356	3	6		7336.5	to	7361.5
	# of Perfs/stage				24		CBP DEPTH	6,873	
2	WASATCH	6658	6661	3	9		6637	to	6644.5
	WASATCH	6819	6823	3	12		6813.5	to	6825
	# of Perfs/stage				21		CBP DEPTH	6,422	
3	WASATCH	6321	6324	4	12		6320.5	to	6325
	WASATCH	6369	6372	4	12		6359	to	6375
	# of Perfs/stage				24		CBP DEPTH	4,602	
4	WASATCH	4546	4552	4	24		4540	to	4566.5
	# of Perfs/stage				24		CBP DEPTH	4,496	
	Totals				93				

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Fracturing Schedules

Name STATE 1021-32J Recomplete

Slickwater Frac

Copy to new book

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	0.13	7091	7092	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	0.18	7117	7118	3	3	0	ISIP and 5 min ISIP													45
	MESAVERDE	1.10	7199	7200	4	4	50	Slickwater Pad			Slickwater	17,918	17,918	427	427	15.0%	0.0%	0	0		54
	MESAVERDE	1.04	7292	7293	4	4	50	Slickwater Ramp	0.25	0.63	Slickwater	33,845	51,763	806	1,232	28.3%	21.4%	14,807	14,807		102
	MESAVERDE	0.00	7314	7315	4	4	50	SW Sweep	0	0	Slickwater	0	51,763	0	1,232		0.0%	0	14,807		0
	MESAVERDE	0.69	7354	7356	3	6	50	Slickwater Ramp	0.63	0.75	Slickwater	33,845	85,608	806	2,038	28.3%	33.6%	23,268	38,076		0
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	5,250	90,858	125	2,163		0.0%	0	38,076		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	0.75	Slickwater	3,000	93,858	71	2,235		2.2%	1,500	39,576		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.75	1	Slickwater	33,845	127,703	806	3,041	28.3%	42.8%	29,614	69,190		0
	MESAVERDE	0.00					50	Flush (4-1/2)				4,629	132,332	110	3,151				69,190		45
	MESAVERDE	0.00						ISDP and 5 min ISDP					132,332								244
	MESAVERDE	0.00																			
	MESAVERDE	0.00																			
	MESAVERDE	0.00									Sand laden Volume		119,453								
		3.14		**# of Perfs/stage**		**24**											**gal/md-ft**	**38,000**	**12,113**	**lbs sand/md-ft**	
							63.0	<< Above pump time (min)							**Flush depth**	**7091**		**CBP depth**	**6,873**	**218**	
2	WASATCH	0.08	6658	6661	3	9	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.16	6819	6823	3	12	0	ISIP and 5 min ISIP													9
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,116	3,116	74	74	15.0%	0.0%	0	0		31
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	10,387	13,503	247	322	50.0%	37.3%	6,492	6,492		0
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	7,271	20,774	173	495	35.0%	62.7%	10,906	17,398		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	4,346	25,120	103	598				17,398		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																	17,398		0
	WASATCH	0.00																			42
	WASATCH	0.00											25,120	103	598						82
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		20,774								
		0.24		**# of Perfs/stage**		**21**											**gal/md-ft**	**85,000**	**71,188**	**lbs sand/md-ft**	
							12.0	<< Above pump time (min)							**Flush depth**	**6658**		**CBP depth**	**6,422**	**236**	
3	WASATCH	0.25	6321	6324	4	12	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.09	6369	6372	4	12	0	ISIP and 5 min ISIP													9
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,154	3,154	75	75	15.0%	0.0%	0	0		32
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	10,512	13,666	250	325	50.0%	37.3%	6,570	6,570		0
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	7,358	21,024	175	501	35.0%	62.7%	11,038	17,608		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	4,120	25,151	98	599				17,608		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																			0
	WASATCH	0.00																	17,608		0
	WASATCH	0.00											25,151	98	599						30
	WASATCH	0.00																			71
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		21,024								
		0.34		**# of Perfs/stage**		**24**											**gal/md-ft**	**62,000**	**51,925**	**lbs sand/md-ft**	
							12.0	<< Above pump time (min)							**Flush depth**	**6321**		**CBP depth**	**4,602**	**1,719**	
4	WASATCH	1.63	4546	4552	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.00					0	ISIP and 5 min ISIP													14
	WASATCH	0.00					50	Slickwater Pad			Slickwater	4,654	4,654	111	111	15.0%	0.0%	0	0		47
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	15,513	20,166	369	480	50.0%	37.3%	9,695	9,695		0
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	10,859	31,025	259	739	35.0%	62.7%	16,288	25,984		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	2,968	33,993	71	809				25,984		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																			0
	WASATCH	0.00																	25,984		0
	WASATCH	0.00											33,993	71	809						0
	WASATCH	0.00																			60
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		31,025								
		1.63		**# of Perfs/stage**		**24**											**gal/md-ft**	**19,000**	**15,913**	**lbs sand/md-ft**	
							16.2	<< Above pump time (min)							**Flush depth**	**4546**		**CBP depth**	**4,496**	**50**	
	Totals	**5.36**				**93**						**Total Fluid**	**216,596**	**gals**	**5,157**	**bbls**		**Total Sand**	**130,180**		
													5,157	**bbls**							
							1.7								**11.5**	**tanks**				**Total Scale Inhib. =**	**458**

Total Stages	4	stages
Last Stage Flush	2,968	gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	107	gals @	0.5	GPT
Surfactant	214	gals @	1.0	GPT
Clay Stabilizer	214	gals @	1.0	GPT
15% Hcl	1000	gals @	250	gal/stg
Iron Control for acid	5	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	2	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	458	gals pumped per schedule above		
Biocide	107	gals @	0.5	GPT

STATE 1021-32J DIRECTIONAL SURVEY					
MD	TVD	EW	NS	INC	AZI
0	0	0	0	0	0
1874	1873.9	-4.1	-19.4	1.2	192.0
2190	2189.8	-5.0	-26.7	1.5	183.1
2506	2505.7	-5.5	-32.4	0.6	187.4
2822	2821.7	-6.3	-37.2	1.1	191.0
3138	3137.6	-7.1	-44.1	1.4	183.8
3453	3452.5	-7.9	-51.3	1.3	188.2
3769	3768.4	-8.9	-58.7	1.4	188.3
4085	4084.3	-8.8	-67.3	1.7	171.2
4398	4397.2	-6.2	-74.5	1.2	143.6
4718	4717.1	-3.3	-80.7	1.3	166.3
5043	5042.1	-1.1	-88.2	1.5	160.8
5351	5349.9	0.7	-96.7	1.8	174.9
5667	5665.8	1.6	-105.9	1.6	173.1
5978	5976.7	2.2	-115.3	1.9	179.1
6267	6265.5	3.2	-124.2	1.7	167.0
6578	6576.4	4.8	-133.1	1.7	173.4
6794	6792.3	5.6	-138.4	1.2	167.2
7118	7116.2	7.9	-145.1	1.4	157.0
7397	7395.1	10.8	-151.7	1.6	154.3
7745	7743.0	15.3	-160.6	1.7	152.5
8067	8064.8	21.1	-168.6	1.8	135.9
8378	8375.7	27.6	-175.6	1.7	139.0
8569	8566.6	31.7	-180.1	2.0	136.4
9110	9107.4	38.3	-176.0	2.4	0.2

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 1021-32J

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047391330000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 9/4/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE WASATCH AND MESAVERDE FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDER FORMATION WITH THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 09/04/2011 AT 2:00 PM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE		**DATE**
N/A		9/6/2011

RECEIVED Sep. 06, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: STATE 1021-32J
9. API NUMBER: 4304739133
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 21E S
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETION
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.
3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217
PHONE NUMBER: (720) 929-6100
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NWSE 1802 FSL 2149 FEL S32,T10S,R21E
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:			17. ELEVATIONS (DF, RKB, RT, GL):
2/11/2010	6/22/2010	9/4/2011	ABANDONED ☐	READY TO PRODUCE ☑	5313 GL

18. TOTAL DEPTH:	19. PLUG BACK T.D.:	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET:
MD 9,180 TVD 9,177	MD 9,124 TVD 9,121		MD 7,388 TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR-DHIL/ZDL/CN/GR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
11"	8 5/8" IJ-55	28#		1,827		425		0	
7 7/8"	4 1/2" I-80	11.6#		9,167		1,753			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,543							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	4,546	6,823		
(B) MESAVERDE	7,091	7,356		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
4,546	6,823	0.36	69	Open ☑ Squeezed ☐
7,091	7,356	0.36	24	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4546-7356	PUMP 5,346 BBLS SLICK H2O &130,716 LBS SAND; 115,428 30/50 OTTAWA; 15,288 20/40 RESIN
	4 STAGES

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
NOV 01 2011
DIV. OF OIL, GAS & MINING

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
9/4/2011	9/6/2011	24		0	166	300	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
26/64	134	888					0	166	300	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	867
				BIRD'S NEST	1,107
				MAHOGANY	1,581
				WASATCH	4,078
				MESAVERDE	6,895

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the chronological recompletion history and perforation report. New recompletion perfs are in the Wasatch 4546-6823 and Mesaverde 7091-7356'; existing perfs in Mesaverde 7410-9111. Production test info is from new recompletion perfs. A CIBP is set @ 7388'. Future plans are to drill out the CIBP and comingle existing perfs with new perforations. Casing in the well is as previously reported in the original completion report.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) JAIME SCHARNOWSKE TITLE REGULATORY ANALYST

SIGNATURE Jaime Scharnowske DATE 10/24/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	STATE 1021-32J	**Wellbore No.**	OH
Well Name	STATE 1021-32J	**Wellbore Name**	STATE 1021-32J
Report No.	1	**Report Date**	8/26/2011
Project	UTAH-UINTAH	**Site**	STATE 1021-32J
Rig Name/No.	MILES 3/3	**Event**	RECOMPL/RESEREVEADD
Start Date	8/24/2011	**End Date**	8/29/2011
Spud Date	2/19/2010	**Active Datum**	RKB @5,331.01ft (above Mean Sea Level)
UWI	STATE 1021-32J		

1.3 General

Contractor	JW WIRELINE	**Job Method**	PERFORATE	**Supervisor**	FRANK WINN
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**	WIRELINE		

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	4,546.0 (ft)-7,356.0 (ft)	**Start Date/Time**	8/26/2011 12:00AM
No. of Intervals	11	**End Date/Time**	8/26/2011 12:00AM
Total Shots	93	**Net Perforation Interval**	26.00 (ft)
Avg Shot Density	3.58 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

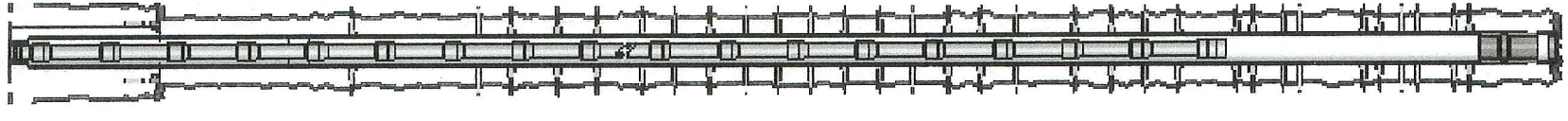
Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/26/2011 12:00AM	WASATCH/			4,546.0	4,552.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/26/2011 12:00AM	WASATCH/			6,321.0	6,324.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
8/26/2011 12:00AM	WASATCH/			6,369.0	6,372.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
8/26/2011 12:00AM	WASATCH/			6,658.0	6,661.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
8/26/2011 12:00AM	WASATCH/			6,819.0	6,823.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,091.0	7,092.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,117.0	7,118.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,199.0	7,200.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,292.0	7,293.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,314.0	7,315.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
8/26/2011 12:00AM	MESAVERDE/			7,354.0	7,356.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic



US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010	
Project: UTAH-UINTAH	Site: STATE 1021-32J		Rig Name No: MILES 3/3, MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/24/2011		End Date: 8/29/2011
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/25/2011	13:00 - 16:00	3.00	COMP	30	A	P		ROAD RIG AND EQUIP FROM NBU 1021-32A TO LOCATION. SPOT AND RUSU. SPOT EQUIP. MI AND RU JW EWL. HOOK UP B&C. PRES TEST 4-1/2" CSG AND VALVES-- 1020 PSI AT 3:52 PM, 1006 PSI AT 4:08 (LOST 14 PSI IN 15 MIN). 3508 AT 4:11, 3495 PSI AT 4:26 (LOST 13 PSI IN 15 MIN). 6216 PSI AT 4:30, 6156 PSI AT 5:00 PM (LOST 50 PSI IN 30 MIN). BLEED OFF. RD B&C.
8/26/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- FRAC AND PERF.
	7:15 - 8:00	0.75	COMP	37	B	P		PERF STG 1) RIH W/ 3-1/8" GUN (23 GM, .36 HOLE SIZE. 3 SPF ON 120* AND 4 SPF ON 90*) AND PERF MESA VERDE AS PER DESIGN.

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: MILES 3/3, MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/24/2011	End Date: 8/29/2011
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 8:00	0.00	COMP	36	B	P		8-10:30 FINISH RU SUPERIOR. PRES TEST LINES TO 7220 PSI. LOST 10 PSI IN 15 MIN. FRAC STG 1) WHP 93 PSI, BRK 3430 PSI @ 4.7 BPM. ISIP 2277 PSI, FG .75. PERF OPEN CALC @ 51.6 BPM @ 5276 PSI = 90% HOLES OPEN. ISIP 2744 PSI, FG .82, NPI 467 PSI. MP 5750 PSI, MR 50.8 BPM, AP 4930 PSI, AR 48.6 BPM, PMP 3259 BBLS SW & 63,590 LBS OF 30/50 SND & 5451 LBS OF 20/40 RESIN SND. TOTAL PROP 69,041 LBS. SWI, X-OVER FOR WL. PERF STG 2) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 6853'. P/U PERF AS PER STG 2 PERF DESIGN. POOH. X-OVER FOR FRAC CREW. FRAC STG 2) WHP 850 PSI, BRK 2973 PSI @ 4.4 BPM. ISIP 2255 PSI, FG .77. PERF OPEN CALC @ 39.5 BPM @ 5110 PSI = 72% HOLES OPEN. ISIP 3696 PSI, FG .99, NPI 1441 PSI. MP 5517 PSI, MR 48.4 BPM, AP 5316 PSI, AR 43.3 BPM, PMP 622 BBLS SW & 14,757 LBS OF 30/50 SND & 2854 LBS OF 20/40 RESIN SND. TOTAL PROP 17,611 LBS. SWI, X-OVER FOR WL. PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6402' P/U PERF AS PER STG 3 PERF DESIGN. POOH. X-OVER FOR FRAC. FRAC STG 3) WHP 730 PSI, BRK 5210 PSI @ 4.7 BPM (2 TIMES TO GET BREAK). ISIP 2567 PSI, FG .84. PERF OPEN CALC @ 46.4 BPM @ 5066 PSI = 86% HOLES OPEN. ISIP 2842 PSI, FG .89, NPI 275 PSI. MP 6024 PSI, MR 51.0 BPM, AP 4961 PSI, AR 48.9 BPM, PMP 617 BBLS SW & 15,181 LBS OF 30/50 SND & 2670 LBS OF 20/40 RESIN SND. TOTAL PROP 17,851 LBS. SWI, X-OVER FOR WL. PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 4582' P/U PERF AS PER STG 3 PERF DESIGN. POOH. X-OVER FOR FRAC. FRAC STG 4) WHP 350 PSI, BRK 1655 PSI @ 3.4 BPM. ISIP 1056 PSI, FG .67. PERF OPEN CALC @ 48.2 BPM @ 4496 PSI = 67% HOLES OPEN. ISIP 2842 PSI, FG .89, NPI 275 PSI. MP 6024 PSI, MR 51.0 BPM, AP 4961 PSI, AR 48.9 BPM, PMP 848 BBLS SW & 21900 LBS OF 30/50 SND & 4313 LBS OF 20/40 RESIN SND. TOTAL PROP 26,213 LBS. SWI, X-OVER FOR WL. RIH W/ 4-1/2" HALCO 8K CBP AND SET KILL PLUG

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: MILES 3/3, MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/24/2011	End Date: 8/29/2011
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								AT 4496' RD SUPERIOR AND JW EWL. TTL 30/50 115,428# TTL 20/40 RESIN 15,288# CUM TTL SAND 130,716# TTL CL FL 5346 BBL SCALE INHIB 424 GAL BIOCIDE 112 GAL
8/29/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- ND/NU. PU TBG. D/O PLUGS.
	7:15 - 9:30	2.25	COMP	30	F	P		SICP 0. ND FRAC VALVES. NU TBG HEAD AND BOP. RU FLOOR AND TBG EQUIP
	9:30 - 11:45	2.25	COMP	31	I	P		MU 3-7/8" MILL, PUMP OPEN BIT SUB, AND 1.87" XN. RIH AS MEAS AND PU 2-3/8" J-55 PROD TBG. TAG AT 4478' W/ 142-JTS IN. RU DRLG EQUIP. FILL TBG AND PRES TEST TO 3000#. GOOD. EST CIRC AND D/O PLUGS.
	11:45 - 18:30	6.75	COMP	44	C	P		#1- C/O 12' SAND TO CBP AT 4482'. MILL OUT IN 16 MIN. 0 INC. FCP 0. RIH. #2- C/O 30' SAND TO CBP AT 4569'. MILL OUT IN 16 MIN. 50 INC. FCP 0. RIH. #3- C/O 30' SAND TO CBP AT 6395'. MILL OUT IN 14 MIN. 0 INC. 0 FCP. RIH. #4- C/O 30' SAND TO CBP AT 7388'. MILL OUT IN 11 MIN. 300 INC. FCP100. RIH. CONFER WITH ZACH GARRITY. LAND AND EVALUATE. CIBP- C/O 20' SAND TO 7376' (CIBP AT 7388') W/ 233-JTS IN. CIRC CLEAN. RD PWR SWIVEL. POOH AS LD 13-JTS TBG. PU 7" 5K HANGER. LUB IN AND LAND 220-JTS J-55 W/ MILL AT 6983.37'. RD FLOOR. ND BOP. NU WH. PUMP OPEN BIT SUB AT 1300#. NO FLOW OR BLOW FROM SURFACE. SITP 200#. SICP 300#. HOOK UP TO HAL 9000 AND TURN OVER TO FBC AND SALES. TBG DETAIL KB 18.00 7" 5K WFORD HANGER 1.00 220-JTS 2-3/8" J-55 TBG 6961.31 3-7/8" MILL, PMP OPEN 3.06 MILL AT 6983.37 270-JTS PRODUCTION PULLED 220-JTS PRODUCTION RAN IN 50-JTS 2-3/8" J-55 TO B&C
8/30/2011	7:00 -			33	A			TWTR 5346 / TWR 450 / LTR 4896 7 AM FLBK REPORT: CP 400#, TP 100#, OPEN/64" CK, 60 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 730 BBLS LEFT TO RECOVER: 4616

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: MILES 3/3, MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/24/2011	End Date: 8/29/2011
Active Datum: RKB @5,331.01ft (above Mean Sea Level)	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/31/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1100#, TP 50#, OPEN/64" CK, 35 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1790 BBLS LEFT TO RECOVER: 3556
9/4/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1100#, TP 150#, OPEN/64" CK, 20 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 2861 BBLS LEFT TO RECOVER: 2485
9/6/2011	7:00 -			50				WELL IP'D ON 9/6/11 - 166 MCFD, 0 BOPD, 300 BWPD, CP 888#, FTP 134#, CK 26/64", LP 26#, 24 HRS
9/28/2011	11:00 - 12:30	1.50	COMP	30	A	P		ROAD RIG FROM 1021-32G. SPOT AND RUSU. FTP 100, FCP 100, SISCP 0. LAY PMP LINE.
	12:30 - 14:00	1.50	COMP	30	F	P		PMP 10 BBLS DOWN TBG. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. UNLAND TBG. LUB OUT AND LD 7" 5K HANGER.
	14:00 - 16:30	2.50	COMP	31	I	P		RIH FROM 6983'. RIH AS MEAS AND PU 13-JTS TBG TO TAG AT 7361' W/ #233. POOH AS LD 33-JTS AND SB 206-JTS 2-3/8" J-55 TBG. LD MILL AND PMP OPEN SUB.
	16:30 - 17:30	1.00	COMP	31	I	P		MU NOTCHED 1.87" XN AND RIH W/ 62-JTS. EOT AT 1960'. SDFN
9/29/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- RIH W/ PKR. SET PKR. SWAB.
	7:15 - 8:30	1.25	COMP	31	I	P		SITP 600, SICP 600. BWD. PMP 35 BBLS DOWN CSG. PU WCS 4-1/2" PKR. RIH W/ 144-JTS TBG. SET PKR AT 4579' WITH SN AT 6543'.
	8:30 - 11:00	2.50	COMP	46	E	P		WAIT FOR SWAB PARTS
	11:00 - 16:30	5.50	COMP	42	B	P		RU SWAB. IFL AT 2600'. MADE 9 SWAB RUNS, RECOVER 46-1/2 BBLS TO GET WELL TO FLOW. FLOWED 1-1/2 HRS, RECOVER 24-3/4 BBLS FLOWING. TOTAL OF 71-1/4 BBLS CUMM. 4-1/2" CSG PRES TO 80 PSI AFTER 8 HRS SHUT IN. SWIFN.
9/30/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- ND/NU. RDSU.
	7:15 - 9:00	1.75	COMP	30	C	P		SITP 1100, SICP 220. SURFACE OPEN. BLOW TBG DOWN. PMP 15 BBLS DOWN TBG. RD SWAB. RD FLOOR. ND BOP. NU WH. SHUT WELL IN. RDSU AND MOVE OFF. TURN WELL OVER TO PRODUCTION DEPT FOR EVALUATION WITH PKR ISOLATION.

TBG DETAIL	KB	18.00
7" 5K HANGER		1.00
5K COMPRESSION		-1.00
144-JTS 2-3/8" J-55 TBG		4558.66
4-1/2" WCS AS1		6.10
62-JTS 2-3/8" J-55		1959.49
NOTCHED 1.87" XN		1.05
EOT		6543.30
PKR SET AT		4579.66

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: STATE 1021-32J
9. API NUMBER: 4304739133
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 32J S
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETION

2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217 PHONE NUMBER: (720) 929-6100

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NWSE 1802 FSL 2149 FEL S32,T10S,R21E
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	ABANDONED	READY TO PRODUCE	17. ELEVATIONS (DF, RKB, RT, GL):
2/11/2010	6/22/2010	9/4/2011	☐	☑	5313 GL

18. TOTAL DEPTH:	19. PLUG BACK T.D.:	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET:
MD 9,180 TVD 9,177	MD 9,124 TVD 9,121		MD 7,388 TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR-DHIL/ZDL/CN/GR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
11"	8 5/8" IJ-55	28#		1,827		425		0	
7 7/8"	4 1/2" I-80	11.6#		9,167		1,753			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,543							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	4,546	6,823		
(B) MESAVERDE	7,091	7,356		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
4,546	6,823	0.36	69	Open ☑ Squeezed ☐
7,091	7,356	0.36	24	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4546-7356	PUMP 5,346 BBLS SLICK H2O &130,716 LBS SAND; 115,428 30/50 OTTAWA; 15,288 20/40 RESIN
	4 STAGES

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
9/4/2011	9/6/2011	24		0	166	300	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
26/64	134	888					0	166	300	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
GREEN RIVER	867
BIRD'S NEST	1,107
MAHOGANY	1,581
WASATCH	4,078
MESAVERDE	6,895

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the chronological recompletion history and perforation report. New recompletion perfs are in the Wasatch 4546-6823 and Mesaverde 7091-7356'; existing perfs in Mesaverde 7410-9111. Production test info is from new recompletion perfs. A CIBP is set @ 7388'. Future plans are to drill out the CIBP and comingle existing perfs with new perforations. Casing in the well is as previously reported in the original completion report.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) JAIME SCHARNOWSKE TITLE REGULATORY ANALYST

SIGNATURE Jaime Scharnowske DATE 10/24/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 1021-32J

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047391330000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 11/9/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ **SPUD REPORT** Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ **DRILLING REPORT** Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	✓ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator requests approval to workover the subject well. Workover operations consist of water shutoff by perforation squeeze. Please see the attached procedure. Thank you.

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 11/9/2011

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Name: **STATE 1021-32J**
Location: **NW SE Section 32 T10S R21E**
LAT: 39.9014897 **LONG:** -109.5734927 **COORDINATE:** *NAD83 (Surface Location)*
Uintah County, UT
Date: **11/8/2011**

WASATCH ABANDONMENT

ELEVATIONS: 5313' GL 5331' KB *Frac Registry TVD: 9177*

TOTAL DEPTH: 9180' **PBTD:** 9123'
SURFACE CASING: 8 5/8", 28# J-55 ST&C @ 1828'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9167'
Marker Joint **4042-4050'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

867' Green River Top
1107' Bird's Nest Top
1581' Mahogany Top
4078' Wasatch Top — 6895' Wasatch Bottom
6895' Mesaverde Top — 9180' Mesaverde Bottom (TD)

Relevant History:

7/6/2010 – Original completion (5 stage frac)

8/31/2010 – Slickline ran to TD and set down at 9080'. Ran broach and set down at 8540'. Came out tubing was clean, dropped and chased titanium spring to bottom.

5/20/2011 - Slickline ran to TD and set down at 9089'. Ran broach and set down at 8549'. Came out tubing was clean, dropped and chased titanium spring and sand viper plunger to bottom

9/4/2011 – Recomplete Wasatch and top MV. IP 160 mcf/day 100 BBL+ H20/day.

9/29/2011 – Isolate suspected wet perfs - SITP 600, SICP 600. BWD. PMP 35 BBLS DOWN CSG. PU WCS 4-1/2" PKR. RIH W/ 144-JTS TBG. SET PKR AT 4579' WITH SN AT 6543'.

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Symptoms:

- High LGR. Water shut-off needed to increase production.

Procedure Outline:

- MIRU. N/D WH. N/U BOP. Release packer @ 4579'. unland tubing and TOOH.
- With Wireline, RIH w/ gauge ring and junk basket to ~6900'. RIH W/ 4-1/2" CBP set same @ ~6850'. POOH. RIH w/ 4-1/2" CICR on tubing and set same @ ~6625'. Sting into CICR and establish injection rate.
- R/U cement company and pump recommended cement job into perforations from 6658'- 6823', based off injection rate and pressure. PUH w/ stinger and cap CICR with cement. Reverse circulate clean. TOOH.
- RIH w/ 4-1/2" CICR on tubing and set same @ ~6300'. Sting into CICR and establish injection rate.
- R/U cement company and pump recommended cement job into perforations from 6321'- 6372', based off injection rate and pressure. PUH w/ stinger and cap CICR with cement. Reverse circulate clean. TOOH.
- RIH w/ 4-1/2" CICR on tubing and set same @ ~4520'. Sting into CICR and establish injection rate.
- R/U cement company and establish injection rate into perfs 4546'-4552'. Pump recommended cement job into perforations from 4546'-4552', based off injection rate and pressure. PUH w/ stinger and cap CICR with cement. Reverse circulate clean.
- Apply appropriate pressure and WOC.
- POOH. RIH w/ 3-7/8" w/mill. D-O Cement retainer's and CBP, replace mill when necessary. Test each interval for 10 min and 1,000 psi, contact engineer if squeezes don't test. CO to PBTD~ 9123'.
- TOOH remove mill. Land tubing at +/- 8300'. Be careful not to over-torque any collars. Broach tubing.
- N/D BOP. N/U WH. RDMO. RTP

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Recomplete Perforations

Legal Well Name	Date	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)
SET CEMENT RETAINER 4520'				
STATE 1021-32J	8/26/2011	4,546	4,552	4
SET CEMENT RETAINER 6300'				
STATE 1021-32J	8/26/2011	6,321	6,324	4
STATE 1021-32J	8/26/2011	6,369	6,372	4
SET CEMENT RETAINER 6625'				
STATE 1021-32J	8/26/2011	6,658	6,661	3
STATE 1021-32J	8/26/2011	6,819	6,823	3
SET CBP 6,850'				
STATE 1021-32J	8/26/2011	7,091	7,092	3
STATE 1021-32J	8/26/2011	7,117	7,118	3
STATE 1021-32J	8/26/2011	7,199	7,200	4
STATE 1021-32J	8/26/2011	7,292	7,293	4
STATE 1021-32J	8/26/2011	7,314	7,315	4
STATE 1021-32J	8/26/2011	7,354	7,356	3

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STATE OF UTAH

FORM 15

DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT ☐

DIVISION OF OIL, GAS AND MINING

Original Filing Date: 11/27/2011

DESIGNATION OF WORKOVER OR RECOMPLETION

1. Name of Operator	2. Utah Account Number	5. Well Name and Number
KERR-MCGEE OIL & GAS ONSHORE, L.P.	N2995	STATE 1021-32J

3. Address of Operator	City	State	Zip	4. Phone Number	6. API Number
P.O. Box 173779	Denver	CO	80217	720 929-6515	4304739133

9. Location of Well

Footage: 1802 FSL 2149 FEL County: UINTAH

QQ, Sec, Twnp, Rnge: NWSE 32 100S 210E State : UTAH

7. Field Name: NATURAL BUTTES

8. Field Code Number: 630

COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.

10. TYPE OF WORK (Check all that apply)

☐ Production enhancement ☑ Recompletion

☐ Convert to injection ☐ Repair well

11. WORK PERIOD

Date work commenced: 8/25/2011

Date work completed: 8/29/2011

90 Days From Completion

12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:

	Expenses	Approved By State
a. Location preparation and cleanup	0.00	0.00
b. Move-in, rig-up, and rig-down (including trucking)	1655.00	1655.00
c. Rig charges (including fuel)	17830.00	17830.00
d. Drill pipe or other working string	0.00	0.00
e. Water and chemicals for circulating fluid (including water hauling)	34727.00	34727.00
f. Equipment purchase	0.00	0.00
g. Equipment rental	13650.00	13650.00
h. Cementing	0.00	0.00
i. Perforating	17228.00	17228.00
j. Acidizing	0.00	0.00
k. Fracture stimulation	114229.00	114229.00
l. Logging services	0.00	0.00
m. Supervision and overhead	4400.00	4400.00
n. Other (itemize) FLOWBACK CREW	11000.00	11000.00
PRESSURE TEST FRAC VALVES	1100.00	1100.00
0	0.00	0.00
0	0.00	0.00
o. Total submitted expenses	215819.00	
p. Total approved expenses (State use only)		215819.00

13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN $3,000.

Contractor	Location (City, State)	Services Provided
BLUE MOUNTAIN SERVICES	Vernal UT	ROUSTABOUT
CF WINN WELL SERVICE	Vernal UT	SUPERVISION
CHARLES HOLSTON INC	Vernal Ut	FRAC TANKS
DELSCO NORTHWEST INC	Roosevelt Ut	FLOWBACK CREW
HALLIBURTON ENERGY SERVICES INC	Vernal UT	CBPS
JW WIRELINE	ROOSEVELT UT	PERFERATING
MILES WELL SERVICE	NEOLA UT	RIG
NALCO ENERGY SERVICES	Vernal UT	CHEMICALS
RNI TRUCKING	ROOSEVELT UT	SWDTMAC FRAC FLUID
SUPERIOR WELL SERVICES	Vernal UT	FRAC
WEATHERFORD	VERNAL UT	BOP PACKER

14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.

Name	Address	Utah Account No.	Percent of Interest

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Sheila Wopsock TITLE Regulatory Analyst PHONE 435 781-7024

RECEIVED Nov. 27, 2011

SIGNATURE	Sheila Wopsock	DATE	November 27, 2011	E-MAIL	sheila.wopsock@anada

RECEIVED Nov. 27, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	NBU REVISION						UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	Various	2900	3/13/2012			2/1/2012	

Comments: MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. 72 wells 5/31/2012

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

SHEILA WOPSOCK
Name (Please Print)
Signature
REGULATORY ANALYST
Title
5/30/2012
Date

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MAY 31 2012
Div. of Oil, Gas & Mining

(5/2000)

Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR	orig entity Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE	15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE	15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE	15553	25 9S	20E	WASATCH/MESAVERDE from MVRD
4304739098	STATE 1021-28M	SWSW	16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW	16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW	16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE	16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW	16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE	16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE	17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW	16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE	17529	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE	16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE	17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE	15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW	15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE	14982	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE	15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW	15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE	13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW	14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW	16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE	15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE	15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE	15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW	15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE	15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW	16276	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW	13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW	13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW	13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE	14097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE	13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE	14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE	14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE	14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE	15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157	WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED					
4304734839	FEDERAL 1022-15F	SENW	14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE	15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW	16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE	14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE	15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW	16455	36 10S	21E	WASATCH/MESAVERDE

4304750096	FEDERAL 1022-27H	SENE	17626	27	10S	22E	WASATCH/MESAVERDE
4304736416	STATE 1021-36H	SENE	15335	36	10S	21E	WASATCH/MESAVERDE
4304738846	STATE 1021-36E	SWNW	16523	36	10S	21E	WASATCH/MESAVERDE
4304735676	FEDERAL 1022-28L	NWSW	15110	28	10S	22E	WASATCH/MESAVERDE
4304736417	STATE 1021-36G	SWNE	15297	36	10S	21E	WASATCH/MESAVERDE
4304738847	STATE 1021-36F	SENW	16394	36	10S	21E	WASATCH/MESAVERDE
4304735713	FEDERAL 1022-28N	SESW	15145	28	10S	22E	WASATCH/MESAVERDE
4304736418	STATE 1021-36B	NWNE	14953	36	10S	21E	WASATCH/MESAVERDE
4304738848	STATE 1021-36N	SESW	16359	36	10S	21E	WASATCH/MESAVERDE
4304735735	FEDERAL 1022-28O	SWSE	15285	28	10S	22E	WASATCH/MESAVERDE from MVRD
4304736419	STATE 1021-36A	NENE	15035	36	10S	21E	WASATCH/MESAVERDE
4304738849	STATE 1021-36K	NESW	16084	36	10S	21E	WASATCH/MESAVERDE
4304735736	FEDERAL 1022-28M	SWSW	15286	28	10S	22E	WASATCH/MESAVERDE
4304736420	STATE 1021-36P	SESE	15372	36	10S	21E	WASATCH/MESAVERDE
4304738850	STATE 1021-36C	NENW	16396	36	10S	21E	WASATCH/MESAVERDE
4304734861	FEDERAL 29-10-22	SESE	14006	29	10S	22E	MESAVERDE To WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33	10S	22E	WASATCH/MESAVERDE
4304735739	FEDERAL 1022-33E	SWNW	15193	33	10S	22E	WASATCH/MESAVERDE
4304735740	FEDERAL 1022-33M	SWSW	15373	33	10S	22E	WASATCH/MESAVERDE
4304735741	FEDERAL 1022-33L	NWSW	15511	33	10S	22E	WASATCH/MESAVERDE
4304735742	FEDERAL 1022-33G	SWNE	15404	33	10S	22E	WASATCH/MESAVERDE from MVRD
4304735743	FEDERAL 1022-33C	NENW	15405	33	10S	22E	WASATCH/MESAVERDE
4304735744	FEDERAL 1022-33A	NENE	15539	33	10S	22E	WASATCH/MESAVERDE
4304737105	FEDERAL 1022-33D	NWNW	16502	33	10S	22E	WASATCH/MESAVERDE
4304737106	FEDERAL 1022-33F	SENW	16560	33	10S	22E	WASATCH/MESAVERDE from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33	10S	22E	WASATCH/MESAVERDE
4304737109	FEDERAL 1022-33N	SESW	16126	33	10S	22E	WASATCH/MESAVERDE
4304737110	FEDERAL 1022-33B	NWNE	16561	33	10S	22E	WASATCH/MESAVERDE
4304735810	STATE 1021-36E	SWNW	14295	36	10S	21E	WASATCH/MESAVERDE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 1021-32J

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1802 FSL 2149 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☑ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 8/19/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for details of the operations.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 26, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 7/17/2012

RECEIVED: Jul. 17, 2012

US ROCKIES REGION

Operation Summary Report

Well: STATE 1021-32J	Spud Conductor: 2/11/2010	Spud Date: 2/19/2010
Project: UTAH-UINTAH	Site: STATE 1021-32J	Rig Name No: MILES 3/3
Event: WELL WORK EXPENSE	Start Date: 8/18/2011	End Date: 8/19/2011
Active Datum: RKB @5,331.00ft (above Mean Sea Leve	UWI: STATE 1021-32J	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/18/2011	7:00 - 7:15	0.25	MAINT	48		P		HSM POOH TBG SET CIBP
	7:15 - 8:00	0.75	MAINT	30	A	P		KILL WELL, W/20 BBLS, WTR DN, TBG, & 20 BBLS, DN CSG, ND, WH, NU, BOPS, RU, FLOOR, & TBG EQUIPMENT.
	8:00 - 12:00	4.00	MAINT	31	I	P		POOH W/ 42, JTS, J-55 N-80 TBG LD ON TRAILER, STAND REST BACK,
	12:00 - 15:30	3.50	MAINT	34	I	P		WAIT ON WIERLINE, MIRU JW WIRELINE, PU RIH W 4 1/2 GR & JB, TO 7397 ', STACKED OUT W GR,&JB CALLED BJ HE SAID WE WERE OKAY TO SET PLUG, POOH, RIH W BAKER 4 1/2 10 K, CIBP SET @ 7388 ' POOH RD, WIRELINE
	15:30 - 20:00	4.50	MAINT	31	I	P		RIH W 228 JTS, J-55 2 3/8 TBG POOH W TBG LD ON TRAILER, TOTAL # JTS ON TRAILER 270 SWI, SDFN.
8/19/2011	7:00 - 7:15	0.25	MAINT	48		P		HSM REVIEWED BACK-OFF PROCEDURE
	7:15 - 9:00	1.75	MAINT	30	A	P		RD, FLOOR, ND, BOPS W/ CSG BOWL, RU FLOOR, NU PWR SWVL
	9:00 - 12:00	3.00	MAINT					PU, INTERNAL CUTTER, RIH CUT 4 1/2 CSG 3' F/ SURFACE, POOH LD INTERNAL CUTTER & MANDRAL, PU 4 1/2 OVERSHOT, RIH LATCH ON FISH, MIRU CSG CREW, & JW WIRELINE STRING SHOT COLLAR BACK-OFF 4 1/2 CGS, PU NEW CSG, PUP, JNT, TAG, CSG, TOP THREAD INTO CSG, TORQUE TO 7000# W/ 14 ROTATIONS, PU CSG TO 90,000# TENSION.
	12:00 - 13:00	1.00	MAINT	33	C	P		MIRU B&C QUICK TEST, PT 4 1/2 CSG TO 1000# FOR 15 MINS LOST 8 PSI IN 15 MINS, PT. 4 1/2 CSG TO 3500# FOR 30 MINS LOST 44 PSI IN 30 MINS RD, B&C QUICK TEST.
	13:00 - 14:30	1.50	MAINT			P		MIRU WEATHERFORD TECH., INSTALL C-21 SLIPS W 90,000# TENSION, CUT & DRESS 4 1/2 CSG STUB, INSTALL CROSS OVER SPOOL.
	14:30 - 17:00	2.50	MAINT	30	A	P		NU, WH. FILL 4 1/2 CSG & SURFACE W T-MAC SWI,SNFWD,RDMO, TO NBU 1021-32 G, SPOT RIG TO DRILLOUT 0N 8/22/11.

RECEIVED: Jul. 17, 2012